

WOOSTER

Inside Taylor Hall
What Are Personal Computers Good For?
After Majoring in Physics or Math



WINTER 1986



Rob Muir '68, this issue's cover and "Graphically Speaking" photographer, persuaded Don MacKenzie to offer a photography course while he was at Wooster. He, Tom Bookwalter '68 and Peter Parr '69 took the course, and MacKenzie was assisted by Rod Williams '48. MacKenzie insisted that the original three teach a beginners' course during the second semester, and Rob maintains that that teaching was the best learning experience he ever had. He used a darkroom in Taylor Hall.

After graduation, Muir studied with Victor Kritch in Alberta, Canada, and Ansel Adams, Brett Weston, Wynn Bullick and Marie Cosindas in California.

A native of Houston, Texas, Muir returned there to begin his own business. In 1975, he helped found Houston Home and Garden Magazine; he later founded a similar magazine in Dallas.

Muir is presently an architectural, advertising and corporate photographer with assignments throughout the country and overseas as well as in Houston. He is Artist-in-Residence at Duchesne Academy in Houston, where he teaches a course similar to the one Don MacKenzie had him teach at Wooster. Judy Widener Muir '68, his wife, is Head of the Lower School at Duchesne, and their children — Chad, Katrin, and Lara — attend the Kinkaid School in Houston.

Photo Credits

Rob Muir '68: Cover, inside front and back covers, pp. 33-36, p. 41 (3rd column).

Mike Schenk '73: pp. 6-8, 10 (2nd column).

Sid Hastings '86: pp. 3, 9 (1st column), 11 (top), 16 (2nd column), 27, 29 (bottom), 30 (1st column), 31, 38 (3rd column), 41 (2nd column top), 42, 45.

Ralph Youngen '86: pp. 11 (bottom), 17-19, 30 (3rd column), 32, 37, 38 (1st column), 41 (2nd column bottom).

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Bob Tucker '65 came back to Wooster last fall to coach football in a style all his own.
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A New Look

by Peter Havholm

The first issue in the 100th year of Wooster's Alumni Magazine, continuing *The Post-Graduate* and *Wooster Quarterly* and *The Wooster Alumni Bulletin*, has a color cover, a new look throughout, a new editor, and a new thematic approach to organizing its contents. This season, the theme is newly renovated Taylor Hall, home of Wooster's physics and mathematical sciences departments, and named after A.A.E. Taylor, founding editor of *The Post-Graduate*.



Dori Hale '65, who writes about personal computers in this issue, is in charge of technical publications at the Boston office of Interactive Systems Corporation (a UNIX shop based in Santa Monica). She has published poems in several little magazines, and articles in the *Christian Science Monitor*, *New Hampshire Profiles*, and *Sojourner*. For five years she was poetry editor of *Sojourner*, an international feminist journal.

Archibald Alexander Edward Taylor was Wooster's second president, holding that office from 1873 to 1883. In 1886, he returned to Wooster as professor of logic and political science and director of the post-graduate department. The post-graduate department offered the M.A. and Ph.D. in several subjects, almost exclusively to students who were not in residence. The *Post-Graduate* was conceived as a way of keeping a scattered group in touch with one another and with the College, and the concept lent itself easily to the needs of another scattered group, Wooster's alumni.

Taylor's successors in the editorial chair were Jonas Notestein (class of 1873) and

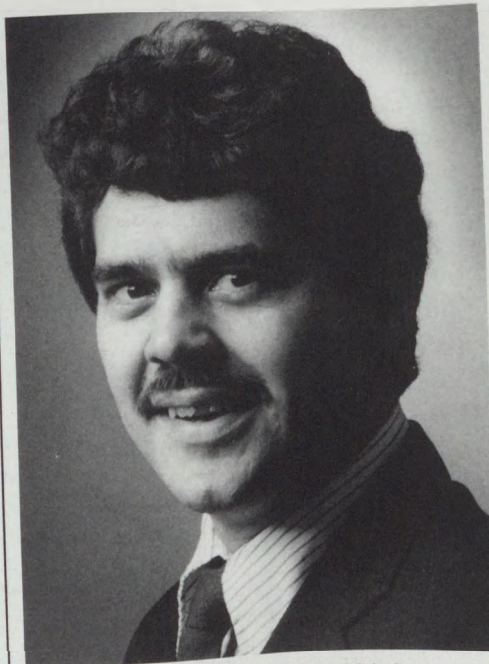
Elias Compton (class of 1881), who (later assisted by Waldo Dunn '06) were to edit the magazine until John D. McKee '17 took up the task in 1921. Notestein and Compton marked the beginning of the *Post-Graduate's* career as a true alumni magazine in April, 1889, with the following statement:

We hope that all will find in reading these pages a kind of reunion that will do every one of us good. As we gather thus once a quarter, in spirit at least, to renew our fellowship, let us seek to make it a means for keeping warm our old-time college friendships, and for intensifying every noble purpose formed in our souls in that golden age of our lives. So shall we go out anew to our work, quickened by the touch of kindred

The Post-Graduate was conceived as a way of keeping a scattered group in touch with one another.

spirits, to build by high endeavor our portion of Wooster's place in the world's history.

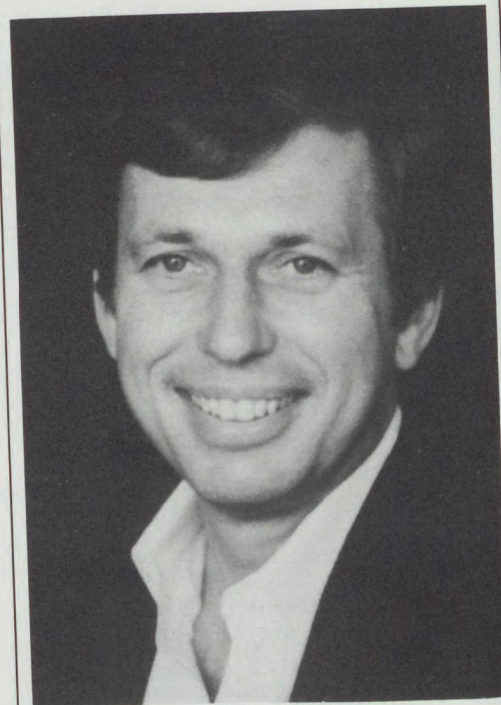
The editorial change has offered the opportunity for considerable discussion of the Magazine's direction, and I would like to share some of it with you as a way of indicating what is to come.



James Breimer '73, author of "After Majoring in Physics or Math" in this issue, is special projects editor with responsibility for writing and supervising in-depth stories and series for the *Columbus, Ohio, Dispatch*. He wrote all the articles in a recent 12-page special section of the paper devoted to city planning, downtown development and growth potential in Columbus.

How, in 1986, does one provide "a kind of reunion that will do every one of us good"?

In the world of alumni magazines, at any rate, no one has come up with a better foundation than the class notes. As those of you who always look to the back of the Magazine first have already noticed, we have



There is more about Rob Muir '68, our guest photographer this issue, on the inside front cover.

neither abandoned nor reduced the department that began in 1886 as "The Round Table" for post-graduate students and alumni and changed in April, 1887, to the "Alumni Round Table," "devoted to the Collegiate Alumni."

At any reunion, there will be gossip; it is an essential human leavening. Alumni magazines that have abandoned the class notes, or so reduced them as to cover only Nobel Prizes and quintuplets, have forgotten an essential part of human nature.

"Class Notes," therefore, remain a constant. So does the Magazine's long-standing commitment to ample illustration. The kind of material to be illustrated, however, has been less susceptible to easy agreement.

"We hope that all will find in reading these pages a kind of reunion that will do every one of us good."

There seem to be three main schools of editorial thought with respect to alumni magazines: the "chronicle" school, the "issues" school, and the "extended class notes" school. Editors who belong to the "chronicle" school produce magazines primarily devoted to news about their institution.

In contrast, the "issue" school produces magazines that are forums for discussion of important matters of academic and general

INTRODUCTION

interest. The "extended class notes" school devotes their magazines to features on the lives, travels and accomplishments of alumni.

Each of these approaches may be found guiding the editorial practice of magazines from prestigious colleges and universities. Yet all seemed wanting. The "chronicle" separated ideas from events in a way that seemed artificial. Many of the real events on campus (as I suggest in "At Issue") are themselves ideas or the clash of competing ideas.

The "issue" approach was equally problematic, partly because it is an approach that guides editorial practice for many commercial magazines. Further, serious discussions of issues most often leave out

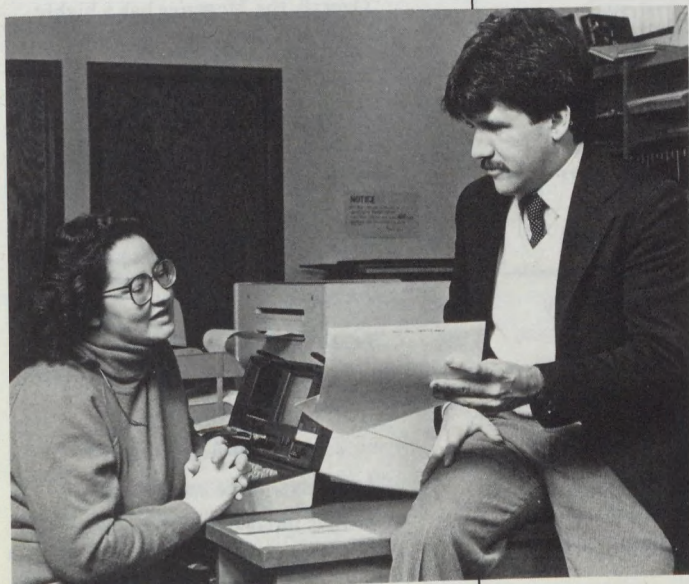
In the world of alumni magazines, no one has come up with a better foundation than the class notes.

personalities and are therefore hard going for those not already involved.

My heart leaps up when the issue is literary criticism, but that subject is the focus of several of my deepest intellectual commitments, and there are plenty of journals and professional meetings where I can enjoy its discussion at the highest level. The same is true for you; if you want discussion on an issue you care about, you know where to find it.

The "extended class notes" approach seems to risk leaving out the ideas altogether. To those who know us, the events and achievements of our lives are automatically interesting *because* they know us. When we exclaim "She married *him*?" or "They have *how* many children?" we are remarking on the relationship of event to people whose habits of mind we know something about.

But gossip about unknown people is tiresome; hence, the clear labelling of the Class Notes by class year. Hence also the leaden yawn in *People* magazine, no matter how enticing the cover. What those people eat, how many children they have, the clothes they prefer, can be of consuming interest only



Sharon Miller (left) is the Arts Reporter and John Finn (right) is Sports Information Director in Wooster's Office of News Services. Finn also edits the W Sportline.

to their friends and to those whose fantasy lives still include imaginary pals who are also movie stars.

At reunions, talk often slips from marriages, divorces, babies and grandchildren

At any reunion, there will be gossip; it is an essential human leavening.

to work. Americans have been criticized for doing this, but we all want to ask "What are you doing?" meaning anything from "How much money are you making?" and "How much power do you have?" to the rather more interesting "How do you think, now?" Indeed, conversations about work often turn into conversations about personal commitments, ideals and ideas.

That is understandable because one of the most important commitments Wooster graduates make is to a career. Because one of the luxuries attendant upon an empowering education is that they have some choice in the matter, their careers involve a deep sense of who they are and what they want, whether the career is in the home or out, lucrative or unpaid, full-time or part-time.



Jeff Todd '83 became Wooster's Director of Alumni Relations in 1985. He came to Wooster from a position as Staff Assistant in the district office of U.S. Representative Ralph Regula, 16th Ohio. Jeff contributes Alumni News to the Magazine.

In future, the *Magazine* will focus on work and how things work. The lead article in this issue is about the work that goes on in Taylor Hall. Dori Hale '65 has written about an important new tool, the personal computer, and how it may affect our work — and there-

fore ourselves. Jim Breiner '73 has written about the work of alumni who majored here in physics or mathematics.

In the departments, Sharon Miller has written about how a director works to mount a production of Chekhov's *The Cherry Orchard*, Bruce Jones '85 and Winnie Williams '87 have written about their work on the Douglass Experimental Network, and John Finn has written about Bob Tucker's ('65) work as a coach and how things work on the volleyball court. In "At Issue," I have tried to show how controversy can work to the benefit of the College.



Marlene Fray Zimmerman '55 has edited the "Class Notes" since 1984, returning to the first job she ever had (1955-56): assisting Estella Goodhart King '25 (then Editor of the Magazine) with the "Class Notes."

In every case, we hope you will agree, our writers have found that ideas undergird the work. We hope that you will find some occasional gossip, too, about someone you know. Finally, issues are unavoidable if one is to write fully about any meaningful work.




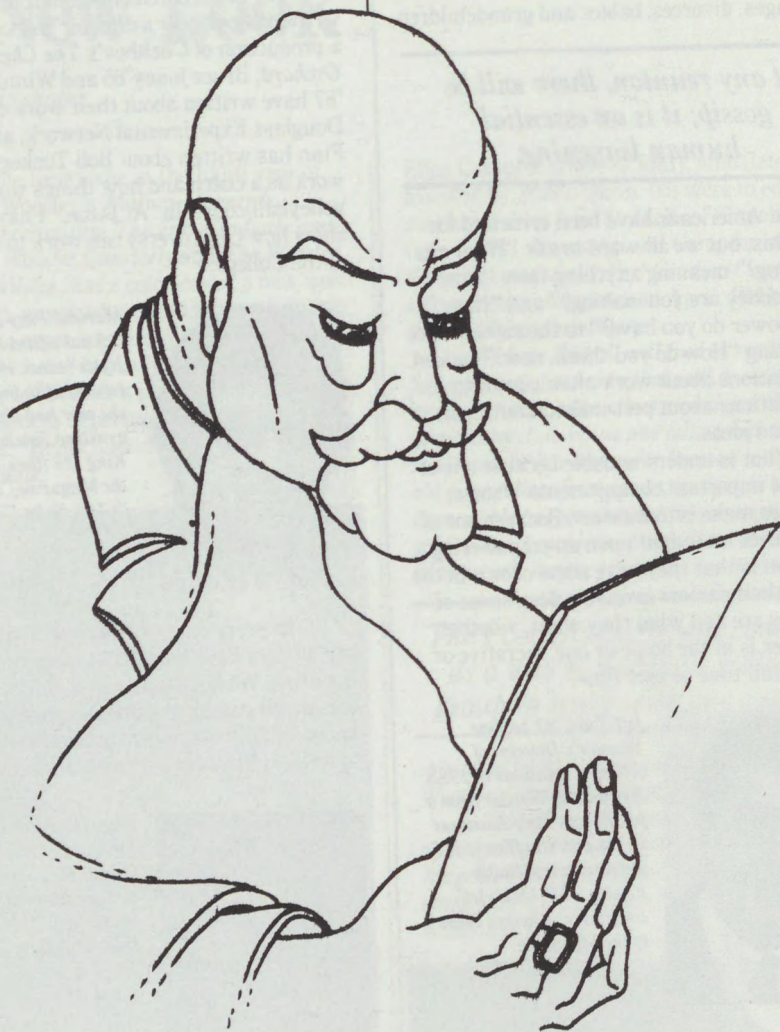
Peter Havholm is Associate Professor of English and College Relations Officer as well as Editor of the Magazine. He joined the Wooster faculty in 1971.

And because our subjects continue to be members of the Wooster family and because our focus each issue will be determined by events and issues on campus, we trust you will agree that we are continuing the chronicle begun by Professors Taylor, Compton, Notestein and Dunn and nobly continued by John D. McKee, Estella Goodhart King '25, and Rodney S. Williams '48 and Lois G. McCall.

In future, the Magazine will focus on work and how things work.

Note to Contributors

Each issue of the Magazine will be guided by a central theme, which will make it difficult to use unsolicited articles. On the other hand, the list of alumni we could commission to write for us cannot be long enough. Therefore, if you would be willing to write for the Magazine, please send the editor a sketch of the topic or topics you would like to write about and some samples of your previous work, whether or not it has been published. 



On the Magazine

Normally, these pages will be devoted to your letters in response to past issues or on matters you think appropriate. It should be one of the livelier departments.

In the meantime, however, there are some of your responses, though they did not come in the form of signed letters. Rather, they are comments solicited in a questionnaire sent to a representative random sample of alumni asking about their preferences with respect to the *Magazine*.

The questionnaire explained that changes in design and content were being considered and asked respondents to indicate what they did and did not like and what they'd like to see more of.

The results of the poll were most positive. By and large, alumni seem to be happy with the *Magazine*, and several fervently requested: "Don't change too much!"

"Class Notes; that's basically why I read the thing."

The overall response rate was 19%, with alumni from the '30s through the '50s the most likely to reply. Interestingly, alumni who graduated before 1960 were more positive about the *Magazine* than were those who have graduated since, but the difference was not a startling one.

As a matter of fact, respondents often read most of the *Magazine*, though few read it cover-to-cover. Needless to say, the most popular section is "Class Notes." Respondents are particularly pleased with the general quality of photography and writing. (Special praise, here, for Rod Williams '48 and Lois McCall.)

Most people most enjoy stories about fellow alumni, current faculty and students. Indeed, many asked for more along these lines. There was an indication that some of our features have been on the long side, and written comments indicated that many prefer shorter pieces because their time is limited.

Before turning the department over to the people to whom it belongs, the *Magazine* solicits your letters for the next issue. Please let us know what you think about the new

"Maybe more emphasis upon what is happening inside the classroom."

look; if something in this issue stimulates you to comment, write to the Editor, *Alumni Magazine*, The College of Wooster, Wooster, Ohio 44691. We will only be able to publish signed letters, and we must reserve the right to edit them for publication.

Here are representative answers to two of the questions asked of alumni, arranged in reverse chronological order and grouped by decade.

"What one or two things do you most like about the present Magazine?"

1980s

"Class Notes; that's basically why I read the thing."

"I enjoy reading about classmates and seeing what alumni from Wooster are doing professionally."

"Alumni profiles and campus photos."

"Overall, the *Magazine* has a highly 'finished' yet current quality."

1970s

"Class Notes.' It's the only magazine where that information is available. With a shortage of time, I choose not to read articles I can find in other magazines."

"Articles about faculty research and teaching; articles about graduates' and students' research."

"I really enjoy 'Class Notes' and any information regarding professors and others whom I know."

1960s

"As always, the 'Class Notes.'"

"Always interested in changes on the face of the campus and in faculty and students from 'my time' on campus."

LETTERS

"Always go to 'Class Notes' first, then table of contents and what looks most interesting. Finish with what's left. *Always* read obituaries, too."

1950s

"Decrease class notes to necessary information instead of the lengthy personal descriptions that usually interest no one."

"The stories of unusual experiences of professors and alumni are interesting and broadening. I am proud to keep the *Wooster Magazine* on the coffee table for browsing by others and frequently loan out a copy with a particularly appealing article in it."

"I think the *Magazine* is *excellent*. It is varied in content and does not lean heavily in any one area all of the time. The articles are interesting and not always heavily intellectual. There is a 'human' quality to the *Magazine*."

1940s

"Pictures, 'Class Notes,' and reports on the status of projects, both physical and academic."

"Everything! Really a good magazine."

"Keeps me up to date on academic affairs and my class members."

"News of alumni — not just in 'Class Notes' — but feature articles about special careers, honors, etc."

1930s

"Emphasis on ideas, issues, and College outreach."

"I like the things that leave me feeling I went to an excellent school."

"Keeps me in touch with what is going on in Wooster."

1920s

"The news of constant upgrading of departments and standards. I have always thought the photography is outstanding."

"Strive for greater currency. How about more emphasis on student and faculty opinion?"

"Sports news."

"I like the attempt to keep alumni updated and to vary content."

What kinds of materials would you like to find in the Magazine that are presently not covered or under-covered?

1980s

"Discussions with current students."

"Social issues on campus: What are students concerned about and active in? Current issues and new courses in each department."

"Spotlight some *current* faculty and their accomplishments *before* they retire. Do the same with graduates of the last 5-10 years. What are plans for the College and campus in the next 15 years to the year 2000?"

"I would like to see more covered on the research of faculty *and* students."

1970s

"More faculty writing. More student views on what they are learning. Maybe some articles by the alumni on areas of recent study or vocation, or just life experiences."

"Features on what is happening on campus now; highlighting alumni, in addition to Class Notes. As an AAR [Alumni Admissions Representative], I receive so much interesting information about curriculum, new fields, alumni comments, status of Wooster. Seems it would be worth sharing with others."

"More pictures and articles about the activities of the students, i.e., sports, theater, Sections."

"More alumni profiles."

1960s

"The history of the school—recent and 'old.' Since I am part of the 'history' by now, I enjoy things I'm familiar with."

"Spotlight some current faculty and their accomplishments before they retire."

"I would enjoy a shade more sports coverage, more coverage of musical events and faculty research activities."

"Statistics about former grads (i.e., the percentage of teachers, doctors, lawyers, etc.). How many Wooster students really do marry each other? How has divorce affected Wooster grads?"

"More information on alumni activities around the country. California is a long way from Ohio, and I would like to be more in touch with how and what and who in the other alumni groups."

1950s

"Interesting alumni."

"More sports and greater detail about student life."

"Maybe more emphasis upon what is happening *inside* the classroom; more emphasis upon curriculum, teaching techniques, evaluation procedures, etc. Many alumni are unaware of the unique courses Wooster offers."

"I read the Wheaton College (Massachusetts) and Yale University magazines, and they are dull and boring compared to Wooster's. Wooster's *Magazine* is excellent; don't change too much! Good luck!"

1940s

"Perhaps more information on what courses are being given and what are the majors now. I know this is a 'tall order,' but maybe an article now and then."

"There is a 'human' quality to the magazine."

"I would like more reports on Independent Study projects — a feature of Wooster which is new since my time and, so far as I know, still nearly unique. I also think the whole 'Inky' experience (Wooster's unique role as a place to send missionary children), could be looked at usefully. You made a good start — it deserves in-depth psychological study."

"Just remember this is an *Alumni* and not a student magazine. Other than 'Class Notes,' sometimes the magazine seems more relevant to the students. Put their news in the *Voice*."

"More pictures or short résumés of changes on campus (and perhaps *off* campus) which make Wooster unique — update on the way things *look* at the College in 1985 (as opposed to the way alums remember the campus when they were there). Maybe even a photo comparison of 'then and now' would be fun. More photos of faculty and staff members and their assignments."

1930s

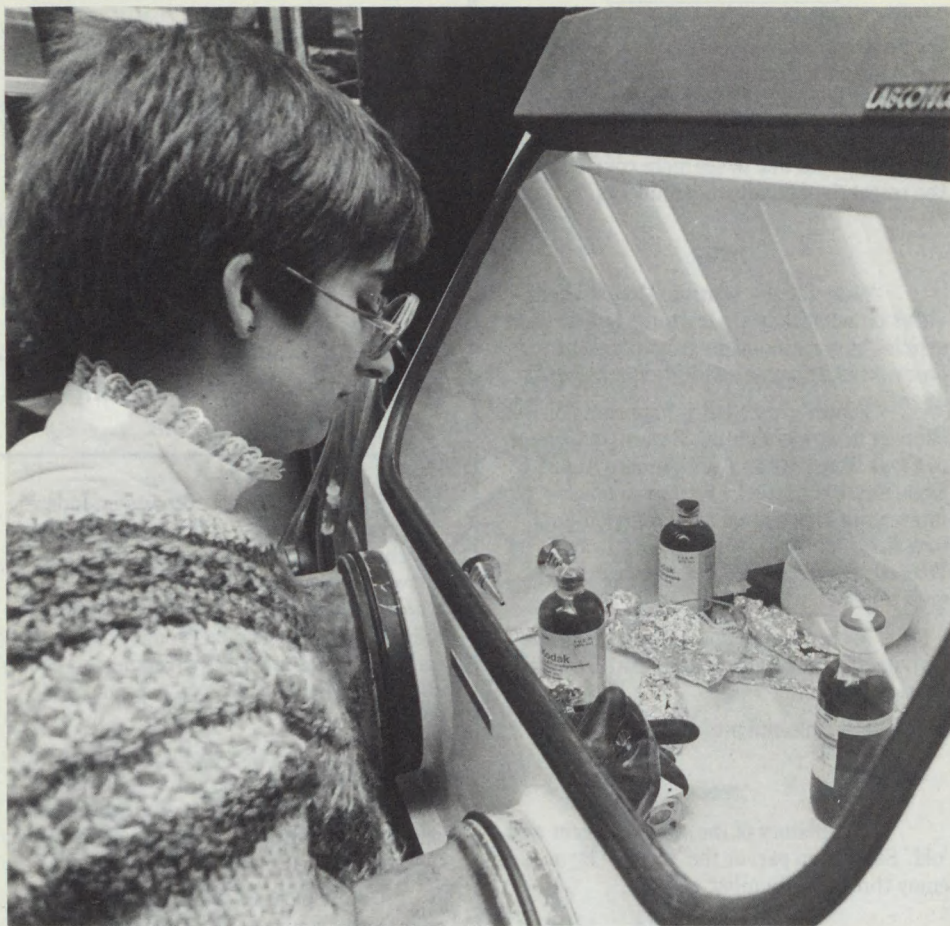
"Strive for greater currency. How about more emphasis on student and faculty opinion?"

"Current campus activities and actions. Shorter articles — more concise — cover more subjects of interest to anyone."

1920s

"It would be revealing my own age to express too many ancient opinions, but I do enjoy the *Alumni Magazine* in its entirety, my limited, myopic vision notwithstanding."

"I like to keep upgraded!" -W



Inside Taylor Hall

by Peter Havholm

The question was, how could physics, the science of nature's subtlest and most spectacular effects, be done at a small liberal arts college?

Anna Ploplis '87 prepares a binary mixture in a sterile environment. Since she is exploring the effects of impurities, she must be able to produce a mixture without them.

“**P**hysics and Mathematics at Wooster” was the working title of this piece, but it covered a question and an assumption. The question was, how could physics, the science of nature’s subtlest and most spectacular effects, be done at a small liberal arts college? After all, it is the science of invisible particles, unimaginable speeds and energies, cataclysmic events so distant that we can only sense them millions of years after they have occurred. How could it be taught outside the wealthiest of universities?

The assumption was that physicists and mathematicians are different from you and me because they live with ultimate questions.

Luckily, before the article became completely blurred by romantic notions about men and women with their forefingers on the springs of the universe, Jack Fanselow '60 visited campus.

“The answers we look for are descriptive and practical. Ultimate questions are not physics.”

Fanselow did his Ph.D. in physics at the University of Chicago and leads a research team of 150 scientists and engineers at Cal Tech’s Jet Propulsion Lab. They have developed a tracking system that can measure continental drift, and they are now working on a concurrent processing computer that will be 10,000 times more powerful than current super computers at a tenth of current costs.

Under questioning, Fanselow dealt patiently but firmly with one romantic’s vision of physics as a kind of magic.

Do physicists ask the ultimate questions?

“I reject that. I don’t consider them ultimate questions. The answers we look for are descriptive and practical. Ultimate questions are not physics.”

Aren’t answers about the fundamental structure of matter ultimate?

“But, you see, I always end up with an *operational* description as a physicist. ‘It acts this way; it interacts that way.’ I don’t really ask the question, ‘What is matter?’”

But if physicists come up with a theory that accounts for the fundamental forces and their relationships — wouldn’t that be a kind of ultimate?

“It will still be ‘good enough for now,’ and there will still be something missing. Sooner or later, somebody will figure out where it’s deficient.”

But aren’t physics problems different in degree from those approached by the other sciences?

“I think they’re simpler.”

Simpler?

“‘Simpler’ in the sense that you try to reduce the number of variables that are involved. You build simpler models. ‘Simple’ in the architectural sense.”

Obviously, “simple” surprised the interviewer. But then, so did a lot of other

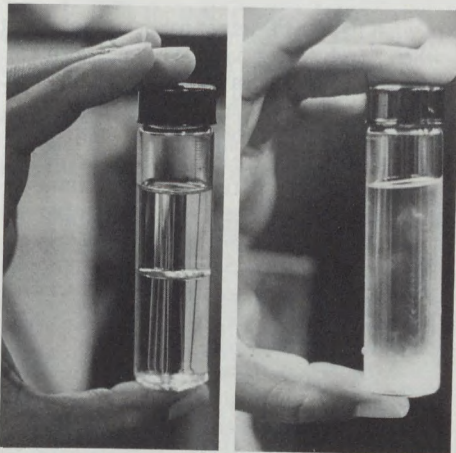
things during this investigation. For one, some of the most dramatic physics on campus was going on in Biology's Mateer Hall, on the third floor, in the lab next to Ibbey's Place.

Anna Ploplis '87, Dan Hogenboom '87, Terence Khoo '87 and Solomon Ngubane '86 are junior and senior physics majors at The College of Wooster. These Wooster students are exploring the physical universe at one of its frontiers.

Through the rest of this semester, the critical phenomena research group will probably stay in Mateer, where their equipment was moved when the renovation of Taylor was begun last winter. Moving to the new Taylor might break the flow, and one never wants to upset the progress of a research group as productive as this one.

Except that they are undergraduates, the critical phenomena group is indistinguishable from similar teams at major universities with strong programs in basic physics research. Their work is presently funded by over \$100,000 in grants from the National Science Foundation and the Research Corporation. They grapple with problems that have the potential to clarify a difficult theoretical question in statistical mechanics.

They have produced four papers, one accepted for publication in the *American Journal of Physics* and three delivered at



professional meetings, and they are working on two more. Their results may have practical application in the use of new fuels for internal combustion engines.

One never wants to upset the progress of a research group as productive as this one.

Their most elaborate piece of equipment is a set of concentric copper cylinders that allows milli-degree adjustments in the temperature of liquids held at its core and is attached to a data acquisition system controlled by a microcomputer. Designed by Doug Iams '84 and Charles Partee '85, the equipment was brought on line for his senior independent study by Partee last year. He would be happy to know that he is still very much a part of things; "Charley's I.S." is never far away, and often consulted.

Under the guidance of Don Jacobs, who has taught physics at Wooster since 1976, the group has been investigating the behavior of binary fluid mixtures as they are brought to a critical point.

"Charley's I.S." is never far away, and often consulted.

When two non-reactive fluids are mixed, one of three things can happen. Regardless of temperature, scotch and soda (an ethanol-water system to a physicist), mix easily and completely. Vinegar and oil, on the other hand, refuse to mix; even the apparent mixing that occurs when they are shaken disappears soon after the salad dressing jar is set down. The critical phenomena group works with partially mixable liquids. Below a certain temperature between 0 and 60 degrees centigrade, they form two layers whose separation forms a line called a meniscus.

When temperature is raised while pressure is kept constant in Charley's cylinder, however, the meniscus disappears. Graphs of the various effects of changing molecular interaction, which have been curving gently, suddenly spike upward. "I get just a sort of cloudy, homogenous mixture," as Anna puts it. The liquids that have refused

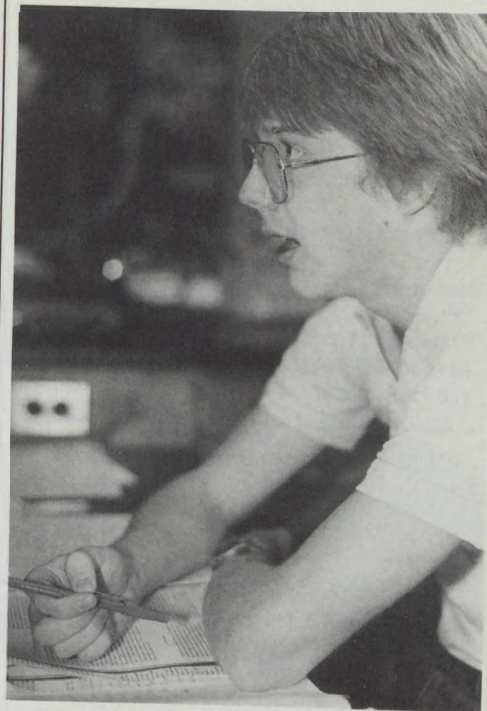
As a binary mixture is heated to the critical point, the meniscus, visible in the first picture, disappears. In the third picture, one can see "just a sort of cloudy, homogenous mixture."

to mix more than partially suddenly become indistinguishable.

The students are looking at matter in this special state in an attempt to improve our understanding of the fundamental forces that structure molecules and their inter-relationships.

Last year, Bill Andrew '85 "picked a project that I didn't think would lead to any new insights," says Jacobs. "I did not encourage him to do it, but he persisted and showed that I was wrong. Terence Khoo and I are still trying to understand all of its implications. He showed us that we have to worry about things that nobody before had thought we'd have to worry about."

Andrew's data was clearly correct, but it showed results that were not consistent with accepted data taken by chemical physicists at the University of Maryland. Terence realized that a generally-accepted theory the group was using to understand the results did



Dan Hogenboom '87

not take an aspect of molecular interaction in this situation into account.

Solomon Ngubane discovered a new and amazingly simple way to find the critical point for any two liquids; with Jacobs, he co-authored the resulting paper forthcoming in the *American Journal of Physics*.

Graphs of the various effects of changing molecular interaction suddenly spike upward.

Anna Ploplis' work examines the effects of impurities on the ability of binary fluids to mix. In general, impurities (like water) raise the temperature necessary to keep the fluids fully mixed. If that effect can be generalized, it will have important implications in the development of systems powered by such fuels as gasahol (gasoline and methanol — a binary mixture).

If the two components of such a fuel separate, the engine that burns them will stop. Therefore, one must know the minimum temperature at which to keep the fuel just before it is to be burned, and Anna's work might produce a method of calculating the minimum temperature given a likely level of impurity.

For young physicists at Wooster, things get started in Physics 203 and 204 in the world of classical physics. In one sense, the material here is obsolete. The revolution in modern physics begun by Albert Einstein in 1905 eventually showed that the classical physics founded by Sir Isaac Newton in the seventeenth century was an incomplete explanation of how the world works.

But "physicists tend to have a sense of the evolution of their subject, through Newton, Maxwell and Einstein and into the 20th century," says Jerry LaSala, who has

taught in Wooster's department since 1983. "Almost every physicist and astronomer I know feels a fairly strong sense of continuity with the historical development of the subject." Further, Newtonian physics can be derived from the modern, more complete theories, and is an appropriate theoretical approach to 95% of the problems most students will encounter in daily life.

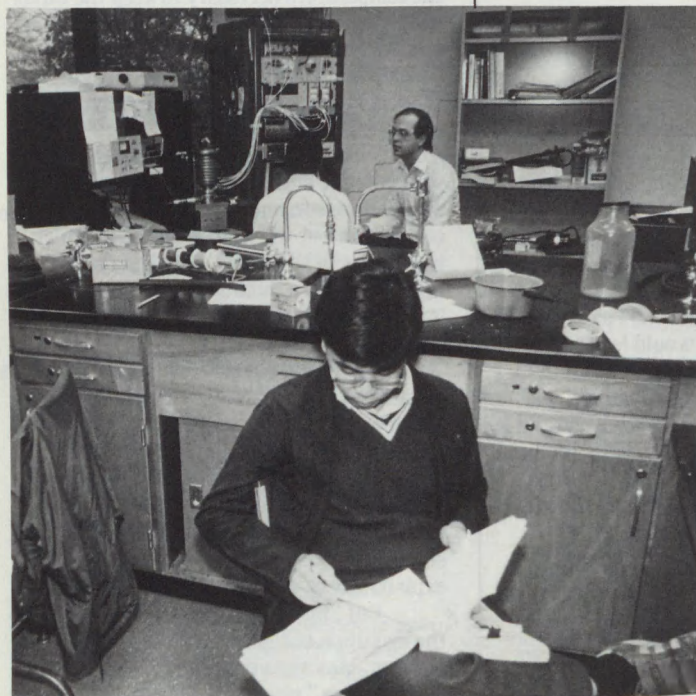
"Physics is a process more than a collection of knowledge," LaSala continues. "Physics is the continuing search for the rules that make the world work, and if you don't have some sense of how the search has gone, you lose sight of the fact that it is a search."

"Physics is the continuing search for the rules that make the world work."

There are physicists who believe that the science is almost at its end, that physics is near to discovering everything there is for the discipline to know. As one of them is said to have put it, "We're about ready to turn the whole business over to the chemists."

LaSala does not believe that. "A hundred years ago, people were saying the same thing. They were discouraging students from majoring in physics because there was nothing left to figure out. And then came 1905 and the quantum theory and relativity, and there was everything left to figure out. We know we've been fooled once before. And if for no other reason, we try to have a sense of our discipline's history."

Quantum theory and relativity come along in Physics 205. "I think everybody comes out of 205 with big eyes," says Anna Ploplis. "That was probably one of the most exciting things for me, to see all of that really, truly sophisticated physics even though we'd only had the basic tools in 203 and 204."



"We want to give our students a good inquisitive feel and to be able to tie pieces together," says Don Jacobs. Foreground: Terence Khoo '87; Solomon Ngunbane '86 talks with Jacobs in the background.

Physics 205 does not abandon history. As Jerry LaSala teaches it, it begins with some of the late-nineteenth-century theoretical conundrums and surprising experimental results that can now be seen as pointing to difficulties with classical physics' ability to explain everything. It then moves on to "all that really, truly sophisticated physics."

LaSala shows his students the experiments that seemed counter-intuitive in the world of classical physics, that hinted or — particularly in retrospect — shouted that the old ideas could not possibly work. Then he shows mathematically what the more attractive new explanations lead to.

The key effort of the course is to get the students to be comfortable with doing the mathematics that generates new concepts and to understand the new concepts physically, even though they might seem grotesquely strange in light of the older physics of 203 and 204.

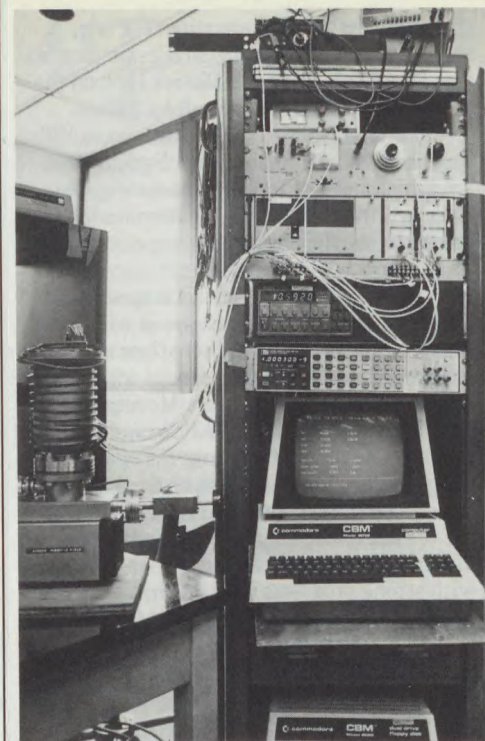
A class visitor notes that LaSala is always careful to emphasize that he and his text offer one possible explanation of the experiments, the one that has been most successful in explaining the most experiments. So far, he points out, no contradictions have been discovered. Jack Fanselow would approve.

"We want to give our students a good inquisitive feel and to be able to tie pieces together," says Don Jacobs. "We want to unify

Before the nineteenth century, physicists and mathematicians tended to come in single packages.

things in physics, and we try to do it in such a way that we can understand them at a more fundamental level."

The type of interaction the critical phenomena group observes in their experiments in Mateer turns out to be very similar



This apparatus, designed and built by Doug Iams '84 and Charles Partee '85, uses a microcomputer (lower right) to monitor continuously what happens to a binary mixture heated in the chamber at left.

to what happens in jets of particles that result when a high-energy particle collides with a proton. The materials and the situation are completely different, but the same theory seems to predict the behavior of particle aggregates within the high-energy jets and within the Wooster students' binary fluid mixtures at the critical point. "It seems to fit together," says Jacobs.

When Jerry LaSala talks in Physics 205, he speaks mathematics about 30% of the time. His blackboard language is exclusively mathematics.

"In my grade school in a very small town," remembers Anna Ploplis, "if you were a girl, you were probably not going to take algebra. My dad said I was going to take algebra, and that was the end of that kind of notion. People tell me that physics is difficult, but they are the people who don't have the math for it."

"Mathematics is how you describe everything you see."

"It's how you describe everything you see. You can see it, and you can understand it, but you want to get very precise — so precise that you can take it apart. And the only way you can do that is if you have the mathematical tools to describe it."

Charles Hampton (who has taught mathematics at Wooster since 1972) notes that before the nineteenth century, physicists and mathematicians tended to come in single packages. Newton was both. Leibniz was both. Gauss was both. Indeed, much of mathematics was developed to cope with

practical problems, often in physics. But mathematics has become independent in this century. It has produced a variety of models, many of which have no obvious application.

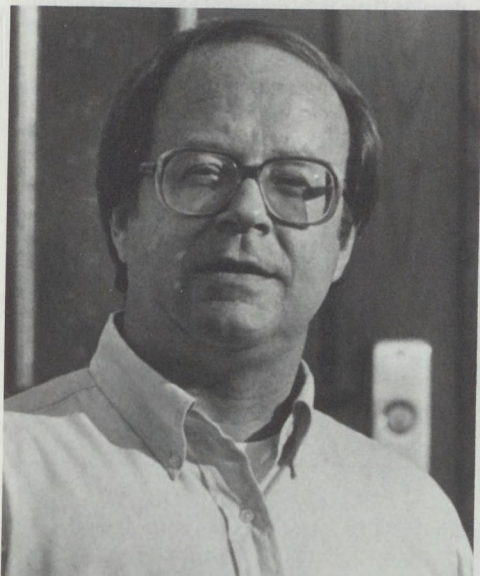
When new discoveries in physics are made, however, modern mathematics seems occasionally to have anticipated the physicist's need. "Einstein, for example, needed a

"You're interested in tying down an answer rather than a general description."

geometry that was different from the geometry he knew," says Hampton. "He didn't have to develop a non-Euclidian geometry as Newton had to develop the calculus; there was one waiting for him. The quantum theorist did not have to invent spectral theory in Hilbert spaces; it was already sitting there, highly developed."

Training in mathematics differs from that in the natural sciences to the degree that "you're interested in tying down an answer rather than a general description of what's going on." One can point to an incorrect inference, a mechanical error, a manipulation or computation that went astray when rejecting a wrong answer. There is a kind of certainty within the world of mathematics.

In 1982, the mathematics department at Wooster changed its name to "The Department of Mathematical Sciences" and took computer science under its wing. There was some concern among the faculty at large about the appropriateness of including something as specialized as computer science among the



Jack Fanselow '60 leads a Cal Tech research group developing a "supercomputer" consisting of many small computers combined to make a concurrent processor. He does not have a degree in computer science. "We'd do a better job if we were computer scientists, but if we were computer scientists we probably wouldn't have started it. We would have studied it. We're smart enough to build computers; we're smart enough to use them. We are really hungry for them. Therefore, let's do it. That's a good combination. Physicists are kind of crazy. They'll do anything."

liberal arts. Was not "computer science" strictly a sub-set of mathematical applications, better left to the graduate schools?

About a year later, Andy Moore '83 completed an I.S. that illuminated the appropriateness of the College's decision.

Moore worked with the provability of algorithms. In a computer program, an algorithm is the solution procedure the computer is instructed to use to solve the problems it encounters.

In the early computer game "Lunar Lander," for example, the screen presented a picture of a space craft orbiting over a moon landscape. The object was to land the space-craft on the moon's surface without crashing. In the program which made the game work, the familiar physics formula $F = MA$ (force = mass \times acceleration) was the algorithm used to calculate the lander's movement.

The player used a lever or joy stick to put in rocket thrust values; the mass of the "lander" was set as a constant; and acceleration was determined given distance from the surface and the moon's gravitational force. Thus $F = MA$ allowed the program to "know" how to move the lander in response to the player's rocket blast. (Heavy-footed players often blasted their landers out of orbit.)

Naturally, algorithms for serious problems become considerably more complex. Nevertheless, the computer programmer's way of testing algorithms is usually to run the program with a variety of inputs. If nothing odd turns up, the algorithm must be acceptable.

Using mathematics, however, it is possible to prove without trial that an algorithm will or will not work. Moore discovered mathematically that there was a subtle error in an important algorithm developed by a prominent computer scientist.

Was not "computer science" strictly a sub-set of mathematical applications, better left to the graduate schools?

On checking the literature, he discovered that another mathematician had discovered the error before him and had gone on to show that it would not have appeared through trial and error until the quantities to which it was applied were enormous. Mathematics revealed what trial-and-error might have hidden indefinitely.

Further, Moore's proof was a fascinating exercise in mathematical logic.

According to Hampton, that I.S. was not only "one of the most interesting I.S.s I've had a part of" but also an example of the pleasing symbiosis between computer science and pure mathematics. "It's akin to our current relationship with physics," he says. "Physics is not just a user of mathematics but is also putting ideas back into the field, albeit much less now than in the past. Computer science is operating in the same way; it is clear that mathematics has something to learn from it."

John Warner



John Warner retired in 1983 after teaching in Wooster's mathematics department for 25 years.

"When I came to The College of Wooster, Howard Lowry was president. I remember his saying that education has two facets: one is content; the other is method. Content without method develops a sterility that at best is unfortunate and at worst is tragic.

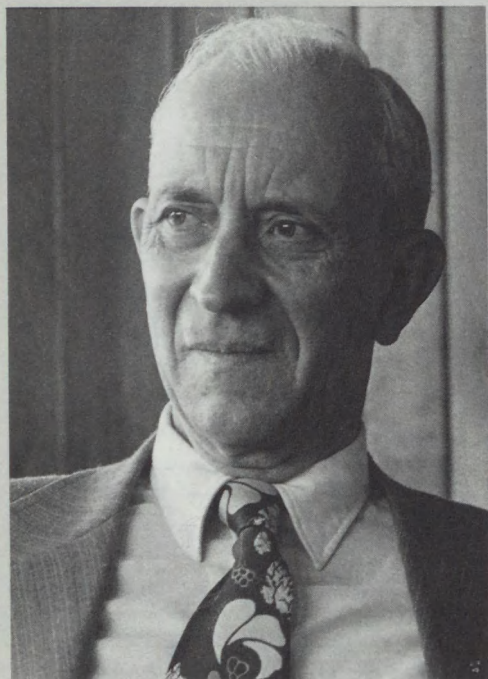
"I believe this applies directly to mathematics, a field of study often associated with "right answers." To be able to find a right answer and still be unsure of whether it is right or not, to be unable to explain why it is the right answer, is unfortunate at best, and tragic at worst.

"It has been my premise that in teaching mathematics one should teach not only content but also method. What is going on if one tries to solve the problem? How does one attack the problem? What alternate attacks are there? What steps does one take? If one reaches an impasse, what does one do? If you can't solve the problem, why not? If you do solve the problem, how do you know that the solution is correct?

"Almost any student I had will recall that the question I continued to pose was: 'What's going on?'" To be able to answer that question requires a real understanding of mathematical relationships. I tried to point out that the methods we were using to solve mathematics problems could also be used to solve many other types of problems that we face as human beings: family problems, personal problems, community problems, church problems, business problems.

"Mathematics is more than just content, formulations, operations, equations, relationships. Mathematics is also a method of thinking, and it should be more than just finding solutions. In the process, one should learn how to describe and explain the method of finding the solution; in short, learn to communicate."

Melcher Fobes



Melcher Fobes joined Wooster's mathematics department in 1940. In retirement, he has watched the progress of the Taylor renovation with interest but without envy.

"I loved the old Taylor, and I don't feel cheated a bit not to have the new building. I liked the squeak in the floor of Taylor 202 and the dust of ages that came up when you stepped anywhere. It was perfectly all right.

"The kind of work that was done in the math department when I came was about equivalent to what we have done by the end of the sophomore year, now. That is, the highest course was something called advanced calculus, what we call intermediate calculus now. The curriculum has since developed both in response to the needs of students going on to graduate school and to developments in the field. The most recent changes, of course, involve the addition of courses in computer science.

"But in another way, what we tried to do in mathematics did not change. Most students had been told in high school that they would get an A if they could do 50 problems according to a model that had been shown them in class, and, like nice little parrots and minah birds, they did 50 problems and they got an A. The classes in high schools are so large that the teachers simply cannot put in the time to do more; they're lucky if they can get them to remember the quadratic formula, whether or not they know what it does.

"But when they came here, we figured that wasn't really mathematics. We expected that people would understand the principles on which they were working — that they would know a hammer could be used for hitting a burglar on the head as well as for hitting a nail.

"That's why we spend so much time on calculus. We always took an extra semester

beyond what most places did. People said to me, 'you spend too much time on calculus; we wish you'd just give them the formulas and explain it all to the majors later.' My answer to that was, 'the people who need it the most are the people who are not going to go beyond this course. They have got to learn how to attack a problem, whether it's mathematical or not.'"

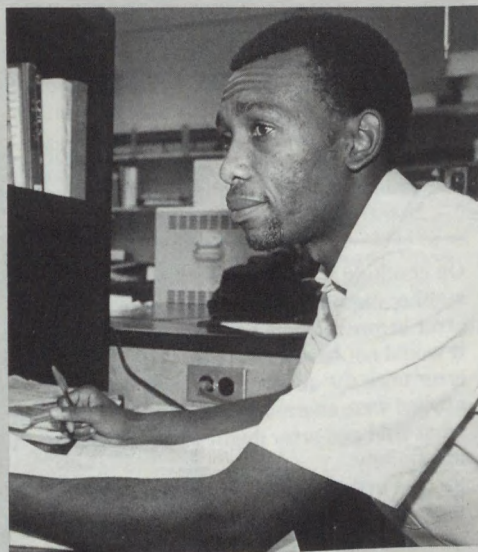
Solomon Ngubane '86

Solomon Ngubane '86 is from Durban, South Africa. He first entered a university in South Africa in 1975, but the school was closed and the students all expelled in 1976. He worked at a variety of jobs until 1982 — as a lab technician, a clerk for an American oil company, with computers. He came to Wooster in 1982.

"I was really good in math in junior high. I *liked* math so much. I used to borrow the math book from senior high and try to solve problems in it — most of the time without success.

"It was fun to be able to do a variety of things without reference to a lot of information. In math, you could read the theory — just a paragraph — and do so many things. I loved the power of the theory. And I enjoyed taking a problem that seemed complicated and putting it into very simple terms. Recognizing the things in a problem that make it simple is fascinating.

"I had planned to do medicine. But then I discovered in high school that I liked physics better than biology, and I got interested in engineering.



"There were no blacks in white universities in South Africa then, and only white universities offered engineering programs. So I went to a black university, took physics, and found it fascinating.

"I plan to go on for the Ph.D. in the United States and then go back home to teach and do research. There are only one or two black physics teachers in all of South Africa; when I came here, I didn't know of one.

"There is something I call 'high school math mode,'" says mathematics professor George Exner (at Wooster since 1983). Perhaps because it is so difficult to teach toward an understanding of mathematics, high school math courses too often end up asking students only to "find the formula and stick in the numbers."

The disservice to mathematics of such a procedure, Exner points out, is that it is exactly the opposite from the way we think about real work. In those areas of our lives where the work matters, where it is hard to tell the difference between work and fun, we would not dream of imitating slavishly to find a solution.

Instead, we have developed a set of methods to interact with the problem — trying to approach it in this way or that way until it begins to respond. We do not turn to the back of someone else's book to learn whether our work has been successful or not; we are confident of our ability to measure our own success.

According to Hampton, what is most important to Wooster's graduates in mathematics is not that they can integrate fourteen kinds of integrals. Rather, "it's the fact that they have learned to analyze, to hold several options in mind simultaneously, to follow out all of the leads, to argue in a straightforward sort of deductive way."

Hence, introductory mathematics at Wooster sometimes hurts. Students are often forced to abandon rituals that have "worked" for twelve years. They are confronted again and again with "even-numbered" problems, the ones for which there are no answers in the back of the book, and they are expected to develop their own means of coping with "right" and "wrong."

Exner's description of "math mode" prompted a conversation with Melcher Fobes, who retired from Wooster's faculty in 1980. During his forty years of teaching at Wooster, Fobes aimed always to help students learn how "to look at a situation, know exactly what you have, exactly what you want, know what you think would be a decent strategy for getting there, and then be able to implement that strategy bit by bit by bit.

Mathematics revealed what trial-and-error might have hidden indefinitely.

"Imagine you're at the Battle of Gettysburg," he says. "You're a young man; you have ambitions to become a General, but right now you are only a Private in the army or something of that sort. If you're content to be just an ordinary soldier, you will say 'Yes, I see that the General sent those people over there and these people over here and said 'Fire now' or 'Hold your fire.' You will stay a Private the rest of your life.

"But if you want to grow to be a General, you're going to ask yourself, 'Now, why did he do that? Why did he send those people over there? What suggested it to him?'"

And once you begin to understand the strategy the General uses to make his decisions based on the information available to him, you're on your way to becoming a General yourself."

At Wooster, it seems well established that one will not succeed in mathematics if content to remain a Private.

"I do astrophysics," says Jerry LaSala. "We don't have an observatory at Wooster, but then again, we don't have the weather to use one if we had it."

Therefore, he "looks" at celestial objects with the assistance of Wooster's VAX super minicomputer. His office is littered with metal boxes protecting reels of magnetic tape

Introductory mathematics at Wooster sometimes hurts.

containing data taken at several observatories. The data is a record of the energy and wavelength of light coming from a variety of binary stars. These are pairs of stars in orbit around each other, and the ones he is interested in are so close to each other that they interact.

Loaded into the VAX and interpreted by a program developed at the University of Toronto, the data tell LaSala and his students various things. They can be a thermometer to determine the temperature of the system and its changes as the stars move. Occasionally, one of the stars seems to be heated up, almost cooked, by x-rays coming from the other. Changes in wave-length can be used to determine the properties of the system: its physical size, or mass, or the ratio of masses.

"Most of the systems I'm studying are unusual kinds of stellar systems, so just determining their various physical parameters is of interest," says LaSala.

One of the systems he studies seems to include a star that has gone through its evolutionary cycle and collapsed down to the smallest object it can possibly become: a white dwarf, or a neutron star, or a black hole.



In modern physics lab, Jerry LaSala of Wooster's physics department works on a microwave diffraction experiment with Kevin Andrews '87.

"There are two systems we are fairly sure involve black holes in orbit with a second star, and the more normal star is essentially falling into the black hole. As the material falling into the black hole gets compressed, it gets hot to the point that it emits a lot of radiation, especially x-rays, and that's what we see."

A black hole represents a singularity in the mathematical sense; if one calculates what is happening to the material falling into it, the result is an entity with no length or breadth or depth — no dimension at all — and infinite density. But the black hole hides this mystery because its gravitational pull is too powerful to allow light to escape its region in space.

The edge of that space which light cannot leave, then, is an edge of the universe. Anything inside is, for all practical purposes, no longer part of our universe because we

cannot have any knowledge of it. In that sense, it is the end.

Even in these regions at the very edge of our knowledge, physicists are aiming at precision. LaSala has a paper in preparation which will further clarify the nature of a neutron star that "has been one of the most confusing objects around." The paper will be co-authored by Doug Iams '84 who did "an excellent job analyzing some data we had," and colleagues at Dartmouth and the European Space Agency in the Netherlands.

LaSala spoke to me about these wonders last fall in his temporary office in the basement of Severance Art, the old Severance Gymnasium. There, about as far from particle accelerators or radio telescopes as from a neutron star, he said of "his" star, "I think we've finally begun to get a handle on what's going on."

They are doing that at Wooster, students and faculty alike, in Taylor Hall.

For Further Reading

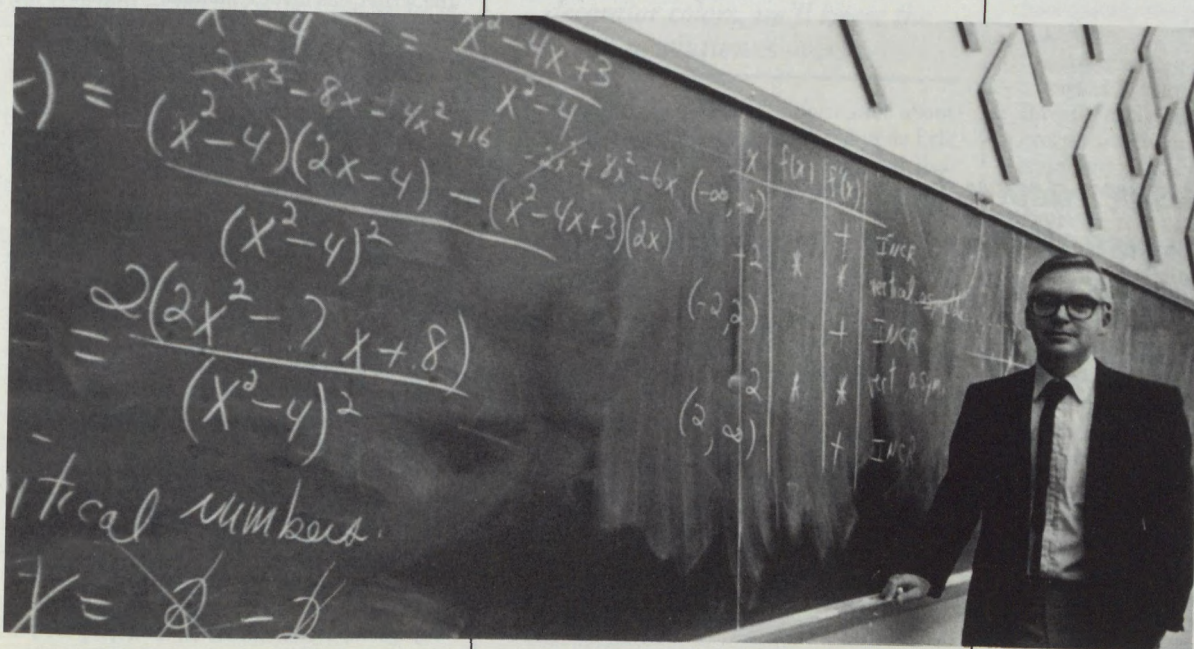
Paul Davies. *God and the New Physics*. New York: Simon and Schuster. 1983. In paperback by Touchstone. 1983.

The edge of that space which light cannot leave, then, is an edge of the universe.

I cannot comment on the theology, but the discussion of modern physics is the clearest I have found.

G.H. Hardy. *A Mathematician's Apology*. With a Foreword by C.P. Snow. London: Cambridge University Press. 1967.

George Exner recommended this fascinating book. Particularly with the help of Snow's comprehensive essay, it offers a curiously moving acquaintance with one of the century's great mathematicians. W



Charles Hampton of Wooster's mathematical sciences department. "If you ever go to a major research institution and wander through the seminars and listen to the way mathematicians talk, you might well assume that they were talking about a world of mathematical entities and objects and relations out there, some idealized situation, a platonic world of which we are simply observers."



What Are Personal Computers Good For?

by Dorinda Hale '65

The answer depends on whom you ask, and it will usually reveal more about the person using the machine than about the machine itself.

Karen Weisel Sievert '79, a mathematics major at Wooster, teaches word processing and data entry at Balin Institute of Technology in Oceanside, California. She and colleague Brad Roth are working here not with a personal computer but at a terminal connected to a Prime 750 supermini.

Nothing! is the frustrated wail of the first-time user who has just read the instruction manual accompanying a new machine. She is faced with an "explanation" that goes something like this:

You can use the line editor to create, change, and display source files or text files. Source files are unassembled programs in source language format. Text files appear in a legible format.

The "naive user" (computerese for "rank beginner" — a neutral phrase rather than "you don't know what you're getting in for") is likely to wonder what has happened to the language she once thought was her own.

She thinks she knows the meaning of *source*, *file*, *text*, *unassembled*, and *legible*, but these sentences make no sense to her. Her self-esteem is assaulted by her inability to comprehend what appears to be simple. The familiar words have taken on a stubborn opaqueness that baffles her.

The familiar words take on a stubborn opaqueness that baffles her.

This beginner doesn't yet know that learning to use a personal computer is like learning a foreign language and culture. She will make new friends, take on new habits, learn new things about herself, and probably change her self-image in some significant way. All this is likely to involve a tussle between her old self and her new self, unless she is a child, in which case she will probably drink in the new technology with aplomb.

If she becomes a sophisticated user, she will learn new definitions for words like *file* and *assemble*, and in a moment of sweet revenge for all the correct but incomprehensible prose foisted on her in the name of "documentation," she will triumphantly recognize that in the passage quoted above, the writer has made a mistake — *legible* is the wrong word!

It is of course not true that "Nothing!" is the answer to the question asked in the title of this article. But it is true that the answer depends on whom you ask, and it will usually reveal more about the person using the machine than about the machine itself. For instance, someone who replies, "I wrote my last novel on a computer, but it took me three months to stop cursing the editor," is at least more adventurous than one who says, "Oh, they're good for doing mathematical things. I don't like math."

One of the common misperceptions about personal computers is that one must have a quantitative cast of mind in order to use and enjoy them. In fact, it seems to me that, as time goes on, the typical use requires more and more verbal sophistication.

What is a personal computer? Physically, it is a more or less portable machine that comes in several parts. (From largest to smallest, computers are ranked supercomputer, mainframe, minicomputer,

microcomputer. The personal computer is a microcomputer.) One part resembles a small television set; it is the screen you look at to see what the programs in the computer have to say. Sometimes this TV set look-alike also houses the guts of the machine — the central processor, main memory, and a disk drive or two. A *disk* is a thin, magnetized platter that stores data electronically; a *drive* is the mechanism that makes the platter spin and provides a way to get the data on and off the disk. However the central processor is housed, you need a way to “talk to” it. This you do by means of a keyboard that looks like a typewriter keyboard with some additional keys.

Once you have the basic parts, you may add other components. Most people buy a printer so they can have “hard” (paper) copy of what appears on their screen, and many users buy more storage space that looks externally like more gray boxes.

One of the striking things about computers as machines is how difficult it is to deduce their purpose from their appearance. Is it possible that the *Alumni Magazine* in the early twentieth century could have carried an article entitled “What Are Automobiles Good For?” Perhaps it is just my ignorance of history that lets me think it was not a topic for serious discussion.

Nevertheless, comparison between earlier technologies and computer technology points up how much energy we devote to elucidating the particular properties of the computer’s “toolness.”

Part of the reason that in 1985 we are writing serious articles and books about the use of personal computers is that the technology is not yet a “tame domestic technology,” a description coined by Joel S. Birnbaum, a vice-president and director of Hewlett-Packard Laboratories. According to Birnbaum, a domestic technology evolves in four stages. First, the new technology appears as “an experimental rarity known only by a few.” Then it becomes an “exotic toy used by only a small segment of the population.”

Third — and this is the stage we are in now with computers — the technology becomes a commodity but is still used by only a relative few. The fourth and last stage occurs when the technology is “noticeable by its absence rather than its presence.” At this point, it is a domestic technology, the usefulness of which is partly measured by the tranquility the user feels about the machine.

The technology is not yet a “tame domestic technology.”

Truly to domesticate the computer, Birnbaum says, we will have to have software that hides the complexity of the machine better than any now available.

Many people are at best ambivalent about those confounded and confounding little plastic boxes that stare blandly at them in ravishing computer gray. (When computers come in decorator colors, we’ll know the revolution is over.) Enthusiasm develops, though,

with mastery, and in some cases enthusiasm leads to “hackery.” A hacker is a highly skilled and inventive programmer who loves to program and spends many hours at it — sometimes disappearing from everyday life in the process.

Personal computer enthusiasts find information about available software (programs) and hardware (the actual machinery) in magazines with names like *BYTE*, *PC WORLD*, *MACWORLD*, or *TECH Journal*. These magazines, which can be



Nina Thomas Taylor '65, a Wooster mathematics major: “My husband and I own three ComputerLand retail stores. I’ve seen personal computers become an indispensable tool for many individuals.”

found at most newsstands, are a staple of computer culture and often describe the latest ways to use a particular product, as well as provide informed speculation about computer industry trends.

(When computers come in decorator colors, we’ll know the revolution is over.)

Excellent sources of information about personal computers are the two columns Erik Sandberg-Diment '68 writes for the *New York Times*: “Personal Computers” on Tuesdays and the business-oriented “The Executive Computer” on Sundays.

The computer culture I’ve been alluding to exists at my office, perhaps at yours, among professional and student programmers, in little pockets everywhere, and among some College of Wooster alumni interviewed for this article. The sample looked at was anything but random: more than 60 percent of the people queried were math majors, and nearly all worked either for high tech companies or had technical positions in related businesses. The 41 percent who responded to our questionnaires are familiar with computers of all kinds; most were eager to describe their experiences, some with a missionary zeal.

Asked if he enjoys his personal computer, Dave Simmons '83, a graduate student in history and library science at Indiana University, replied:

Need you ask? I love it to pieces. In fact, it shares the same room that I sleep in. Nothing kinky or anything like that . . . impoverished conditions necessitate cramped living spaces. I spend so much time with BOB (my name for my system), that sometimes it’s getting hard to write in freehand.

Although word processing is the most popular use of personal computers, many others were reported by alumni. At work, they use personal computers in the following ways (listed in no particular order):

- Write reports, memos, letters, promotional literature, technical documentation
- Maintain databases, inventory
- Keep accounts, prepare quotes, bids, invoices
- Design and keep track of schedules
- Communicate with others on a network
- Create sales demonstrations, viewgraphs, visual aids
- Connect to a mainframe computer
- Program special applications
- Develop other computer systems
- Generate graphics and animation for television, entertainment, and advertising

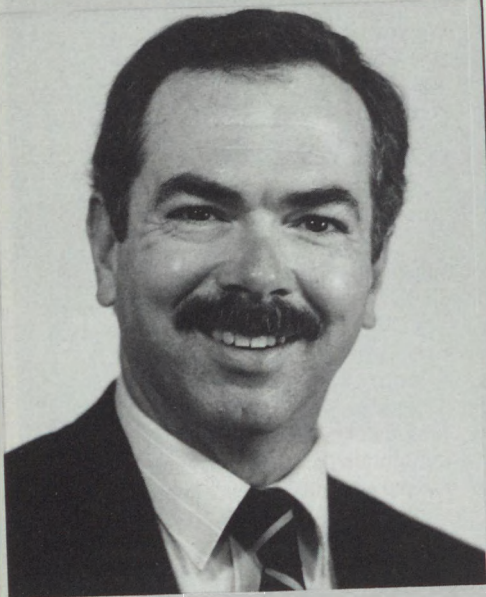
“The PC I have is faster and has more storage capability than the mainframes of 5 years ago.”

Most of these uses are self-explanatory, but their subjective effects on the lives of these alumni are harder to describe. Most feel more productive, more efficient, more in control of their tasks, and more invested in their work. They speak of the power of the machine. Thomas Turk '69, president of American Data Technologies Inc. in Somerville, New Jersey, reminds us how much and how quickly the personal computer’s power has increased: “The PC I have is faster and has more storage capability than the mainframes of 5 years ago.” Jeffrey Berichon '83, Director of Systems Development for Progressive Solutions, Inc., in Columbus, states simply the source of the computer’s power: “The biggest and best use of any computer is to perform a series of tasks the same way every time.”

In theory, at least, computers release us from the mundane and repetitive so we can spend more time “thinking” or “creating” or “relaxing.” Such claims usually accompany new technologies. I’m inclined to believe that the amount of time a person spends in these so-called higher activities is determined by many factors in addition to the number and type of tools available: personal temperament, political climate, or economic position, for example.

The alumni who had worked with large computers before acquiring a personal computer at work were especially happy with the control they had gained over the comput-

Carl Pulvermacher '69



Carl Pulvermacher '69 majored in mathematics at Wooster and is now an Advisory Systems Engineer with GTE Data Services in Valrico, Florida. He owns an IBM PC/XT, printer, modem and terminal emulation circuit board.

"My terminal emulation hardware allows emulation of up to three concurrent 'conversations' with an IBM mainframe computer. A conventional 'dumb' terminal allows only one terminal session at a time. Some specialized terminals allow multiple sessions, but the personal computer is more cost effective on a straight cost-comparison basis, and on a usage basis, since it allows a large measure of added functionality (word processing, etc.) beyond that of a terminal.

"I can produce my own documents, from simple memos to full-blown manuals, from scratch, faster at the PC than I could with the alternative — hand-written original copy given to a clerical resource for transcribing. I enjoy full creative control as the document is developed.

"I can produce my own overhead transparencies, illustrations for manuals, charts, and diagrams — again, much more quickly and neatly than I could manually, and the results are much more professional in appearance.

"I can perform functions such as manpower planning, allocation, and scheduling much more quickly and neatly with a spreadsheet package than I ever could manually (which is the alternative).

"There is no alternative to a personal computer and modem available to me for communicating with another personal computer.

"I enjoy using my personal computer because I have a deep appreciation for the time that it saves me and for the capabilities it gives me which are not available with a conventional terminal."

ing environment. In the old days (four or five years ago), before personal computers frequented the workplace, people were connected to mainframes or minicomputers by terminals, if they were connected at all. They suffered the fate of the mainframe: when it was busy, their response time was slow. If the mainframe went "down," everyone tied in went down with it like passengers on a sinking ship. With the advent of personal computers in the workplace, the individual's dependence on the larger computers has decreased. Now, the computer user does not have to be "logged in" to a minicomputer or mainframe in order to do useful work.

Perhaps some of the least well-defined professional uses for the personal computer lie in formal education. This article will not attempt to address the complex issues of how best to use computers in the classroom or as a learning tool for children in general. There is, however, at least one especially unambiguous use of the computer in education — as an aid for the person with special needs. For instance, the person who is physically unable to write may be able to type or speak into a computer. The person who has responded negatively to human instruction may thrive in the more neutral environment provided by a computer. David J. Cartmell '57, a senior programmer in Special Education Projects at IBM in New York, provides testimony:

The person who is physically unable to write may be able to type or speak into a computer.

The PC can be personalized and tailored to a particular person; it is non-judgmental; it has unending patience. Best of all, it can provide an environment where a person can explore for him/herself and learn to take a risk. Think of it: a special education child who all his/her life has been told in one way or another that he/she cannot do anything for him/herself. Now this same 'special' child suddenly finds him/herself in control of a machine and a process and taking risks. WOW! The child CAN do something.

My own experience has shown that the personal computer can be a great boon to the

teaching of writing. The ease of revision reinforces the concept that writing is a *process* in which the first words set to paper rarely satisfy either the writer or the reader. It is so easy to change words, sentences, whole paragraphs, that even the most reluctant student, given a personal computer to write with, is often willing to make many revisions of a piece.

In an expository writing class at MIT, my students who used personal computers generally showed more receptivity to suggestions for modifications in their papers than

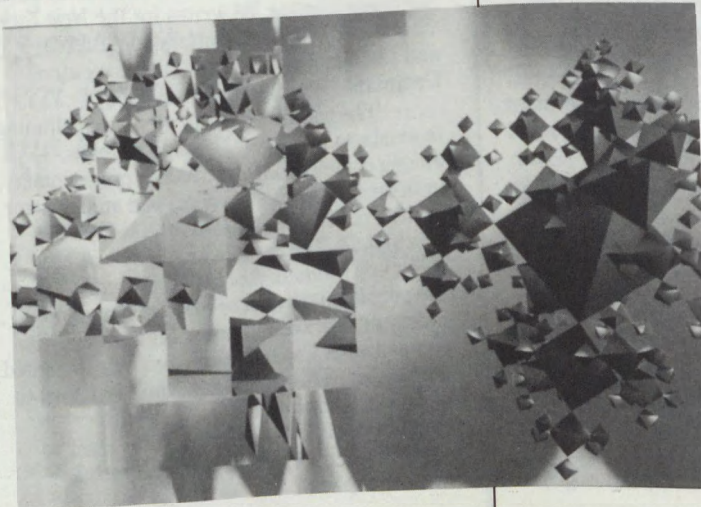
The computer users also seemed to find a new pleasure in the writing process.

did those who used typewriters. The computer users also seemed to find a new pleasure in the writing process, no matter what their initial attitude had been. For many people, the pleasure of writing is increased by the ease of typing at a computer keyboard. The shock of returning to an electric typewriter after typing at a computer keyboard is like the shock of driving a car without power steering once you've gotten used to it.

But the computer as word processor is not perfect. I still frequently edit on paper rather than at the terminal, if only because I want to see *all* of pages 6, 133, and 209 simultaneously. Ed McCreight '66, a senior research fellow for Xerox Corporation, found a place in our computer-produced questionnaire that referred to another question by the wrong number. He understood that we had revised our numbered list of questions without checking cross-references within the list and kindly blamed this error on software rather than people:

Most of today's word-processing programs are no more helpful than pencil and paper in preventing 'renumbering' blunders. The situation in the coming generation of programs should be somewhat better. But as Alan Kay [computer scientist and visionary] put it, the computer revolution will not be complete until computers are in every way superior to pencil and paper.

Most of the first draft of this article was

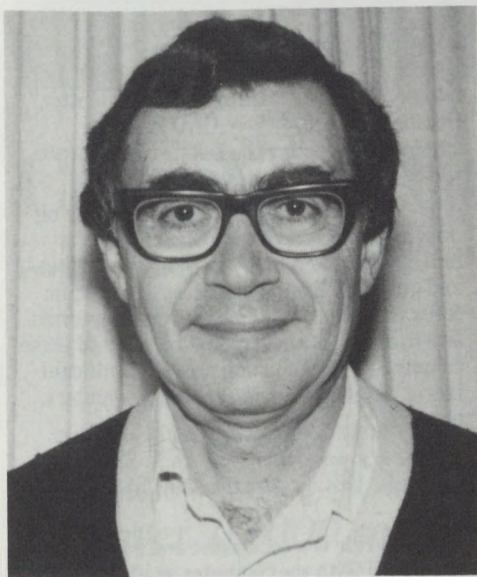


This design was created by Judson Rosebush '69 (see sidebar).

done in longhand. As an experiment, I tried doing the first draft both ways, in longhand and at the keyboard, and soon gave up on the keyboard because the sentences on the screen looked too "finished"; they inhibited me.

A bit loony? Perhaps. But it demonstrates that each person uses a computer the way it feels comfortable. Curtis Jones '64, an electrical engineer for IBM in California, expressed a tongue-in-cheek ambivalence that many people feel about writing with a computer: "I haven't decided if it's faster than the typewriter. I type faster, but may spend a lot more time polishing!"

Writing in one form or another is almost certainly the primary use for personal computers at home, even though computers can be used at home in the same general ways they are used at work. What in effect is different is the relative amount of time spent at each function and the amounts of data dealt with. If you don't have a computer at home, you needn't fear that you are hopelessly out of step. As John Wishnok '60, a research scientist at MIT, so succinctly puts it, "Most people really have no use for a PC."



Milton Khoobyarian '55, a Wooster mathematics major and a manager of Computer Aided Engineering Applications and Support for IBM in San Jose, California, uses a personal computer at home and a mainframe at work. At work, "I can send and receive messages from anywhere in the world on the IBM network." Hence, a personal computer could do the job "only if it were part of a network."

Among the alumni who do have PC's at home, some typical uses (again in no special order) are:

- Personal correspondence, résumés
- Publicity for civic activities
- Spreadsheet for personal finances
- "See how far we've exceeded our budget"
- Sunday school lessons
- Address list for wedding invitations
- Game playing
- Typing practice
- Education of children
- As a terminal to connect to mainframe at work

- Dial-in to database services
- Modem-based communication

The last three items may all be lumped together in the category "modem-based communication." A modem is a device that converts the digital signal used by a computer to the kind of signal that a telephone line can carry, and vice versa. When simultaneously connected to a computer and a telephone, the modem makes it possible for a computer to "talk to" any other computer which also has a modem.

John Sehnert '74, director of consumer marketing for Video Financial Services in Dallas, elaborates on the use of the modem:

Connected to a modem, the PC becomes a marvelous tool for home banking, electronic mail, current news, stock market information, and receiving new software (downloading). With the proliferation of local dial-in Bulletin Boards, virtually every city has hundreds of SYS OPS (Bulletin Board sponsors) that provide inexpensive and often-times free access to their computer systems. With a modem, a whole new medium of live, interactive use of the computer opens up . . .

The natural tendency to use computers as an extended way of "talking" is demonstrated by the popularity of electronic communication where it is available. In the long run, communication may be the most extensive use of the personal computer in the home as well as elsewhere.

To communicate with another person by computer is, under most circumstances, to write. What does this imply for those who are reluctant to write, who write poorly, or who write not at all? The handicap of illiteracy, suffered by more than 30 percent of Americans, becomes greater as the computer becomes more ubiquitous. The pervasiveness

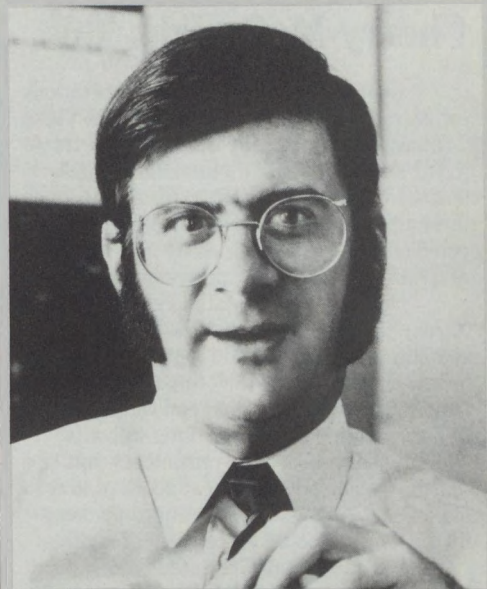
Most of the first draft of this article was done in longhand.

of personal computers emphasizes, rather than neutralizes, the power of the written word. Not only are personal computers instruments for literate individuals, but they are also potential printing presses with the power to reach many. In the Soviet Union, where individuals are forbidden to own a printing press or a photocopier, no personal computers have been put up for sale. The feminist slogan, "The personal is political," applies as well to computers as it does to gender relations.

Ultimately, the personal computer has personal meanings, and what is "personal" is defined by the culture. If this is true, what are personal computers good for?

I have already said that they are good for certain well-defined technical tasks, such as putting a lot of words on paper, storing and keeping track of large amounts of information, making visual representations of abstractions, or communicating at a distance. I have also suggested that, by performing these technical tasks, the personal computer may add things as diverse as efficiency and pleasure to our lives.

Judson Rosebush '69



Judson Rosebush '69, who majored in art history at Wooster, announced the formation of The Judson Rosebush Company Inc., headquartered at the Brill Building in New York, in January, 1985.

This is Rosebush's second company. In 1978, he founded Digital Effects, the first privately held company to produce commercial computer graphics in New York, with \$1,000 cash. By 1983, Digital Effects owned a million-dollar production facility and was doing \$1.5 million in business with over 20 employees. Credits include productions for *Nova*, *Tron*, and Epcot Center; advertising for AT&T, Gillette, and Ford; and logos for NBC, CBS, and TV Asahi in Japan. He remains on the Board of Digital Effects and its major stockholder.

Rosebush is particularly interested in using computer graphics for characters. "In some respects, computer animation has gotten off on the wrong foot: a strong focus on reality simulation, action, and special effects. I don't think we have to apologize for this, but it's now time to tell stories.

"The truth of the matter is, we've always been able to do characters. Character doesn't really require high resolution or slick renderings to communicate emotion. Character will burst out in the late '80's. With it, computer animation will enjoy a surge of popularity that will make its previous achievements and exposures in the media small by comparison.

"In the larger context, I think computer graphics is the epicenter of a communications revolution. It is profoundly affecting how we organize and disseminate information. And I think the next ten or fifteen years will see digital integration of still and moving picture technologies, hard and soft copy, and interactive access and transmission. In computer graphics, the medium and the message are united."

Edward M. and Lynn Cherry McCreight '66s

Lynn is manager of assembly operations for Astra Communications in Mountain View, California. The company is a "spin-off" from Xerox's famous Palo Alto Research Center (PARC), cradle of many of the ideas that ultimately produced Apple's Macintosh personal computer, particularly its friendly, graphics-oriented operating system.

Now a Senior Research Fellow with Xerox, Ed decided to make a career in computers when he was in high school. At Wooster, he first used the computer at the Ohio Agricultural Research and Development Center, walking over to the other hill on Thursday afternoons. He remembers that "Faculty members were great about picking me up on the way home." He ended up doing his I.S. on Iverson's APL computer language.

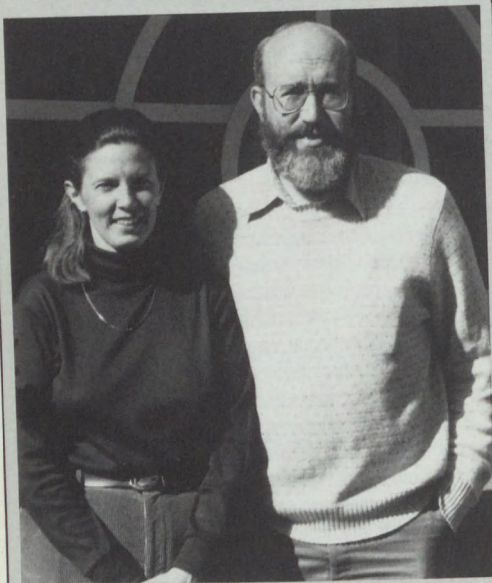
Wooster installed a leased IBM 1620 in the basement of Galpin Hall in the spring of 1964, and McCreight asked Dean J. Garber Drushal if he might have some time on the machine.

"Do you know how to *run* that thing?" asked Drushal. "How would you like a job?"

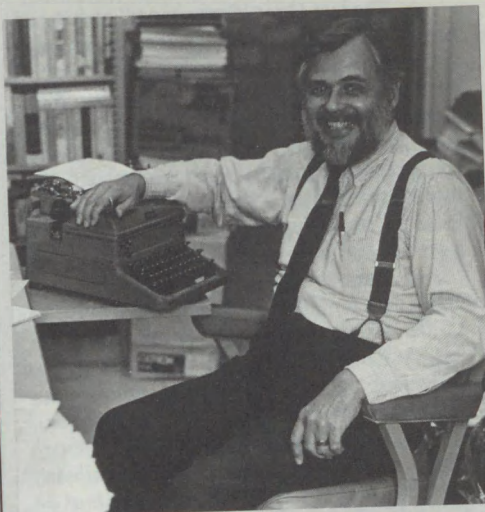
When McCreight amused himself by teaching the computer how to sing "Jesus Loves Me," however, Dean Drushal was not amused. He worried both that such fooling might damage the computer and that McCreight was not making the best use of his time.

Says McCreight now, "I was like the partially impaired leading the blind."

McCreight's corner office, with 30 feet of glass, offers a hundred-mile view on a clear day. At his desk is a personal computer that is 200 times more powerful than the old 1620 he fell in love with in the Galpin basement.



James Turner



Professor of history Jim Turner does not plan to purchase or use a personal computer, despite catcalls from colleagues like John Gates, proud owner of an Apple Macintosh.

Though determined not to take a position of superiority, Turner finds a quiet satisfaction in being "a holdout in an area where there seems a sort of blind following of what one is told is going to make one's life easier. I don't see that it's true that my life will be so much more productive, fruitful, and simple if I buy this instrument.

"I simply don't believe in the existence of something that is momentarily on a screen," says Turner. "It doesn't have the physical reality for me that a typed paper does. It seems to me to disconnect the person who is creating from what is being created. With traditional writing tools, from the stylus to the typewriter, there is a clear cut physical connection between the person doing the writing and the thing that's done — even in the case of an electronic typewriter. With a personal computer, what you have created exists in the ether, almost literally. It exists the way a radio wave exists."

When Gates jibes that Turner is "determined to live in the 19th century," Turner responds:

"Naturalist organizations are interested in finding, among other things, little areas of the prairie that were never plowed. They find cemeteries, areas along railroad rights of way, that have never been altered from their natural state, and we can look at them to see what a biological community is like if it is left alone.

"Well, all right, fine. I am a historian, and so I have a sense of the wisdom of preserving traditional practices. I cannot imagine that anyone will ever really be interested in going into an office where a person still does work at a mechanical typewriter — as we pay admission to historical farms to see blacksmiths at work. But it is in the back of my mind that I am acting to preserve a traditional way of work that is, as far as I can see, well on the way to disappearing altogether."

An additional thought, however, is for me the most intriguing. We can use the personal computer as a mirror in which to view ourselves. The orderly world of a computer serves as a foil to the apparent disorder of human behavior. A computer is governed by rules that are knowable and fixed. As we come to understand its rules and live in its world, we adopt new ways of thinking about ourselves.

A computer is a predictable, consistent authority against which we can explore our own vagaries. You have probably heard about the novice user who fails to elicit the desired response from a computer and decides that, just this once, there must be something wrong with the machine. Inevitably, the old hand who tries to help the bewildered newcomer recites the maxim, "The computer is always right."

Like most proverbial sayings, this one is not to be taken literally, but does contain a jolt of truth. You may react to it with boredom, mystification, anger, or delight. How you react tells you something about yourself, if you choose to look.

For Further Reading

By Erik Sandberg-Diment '68 in the *New York Times*: "Bridging the Gap in Networks," October 27, 1985. "Making Graphics Glitter," October 20, 1985. "Micro-CAD Painting Outdoes Connecting the Dots," November 5, 1985.

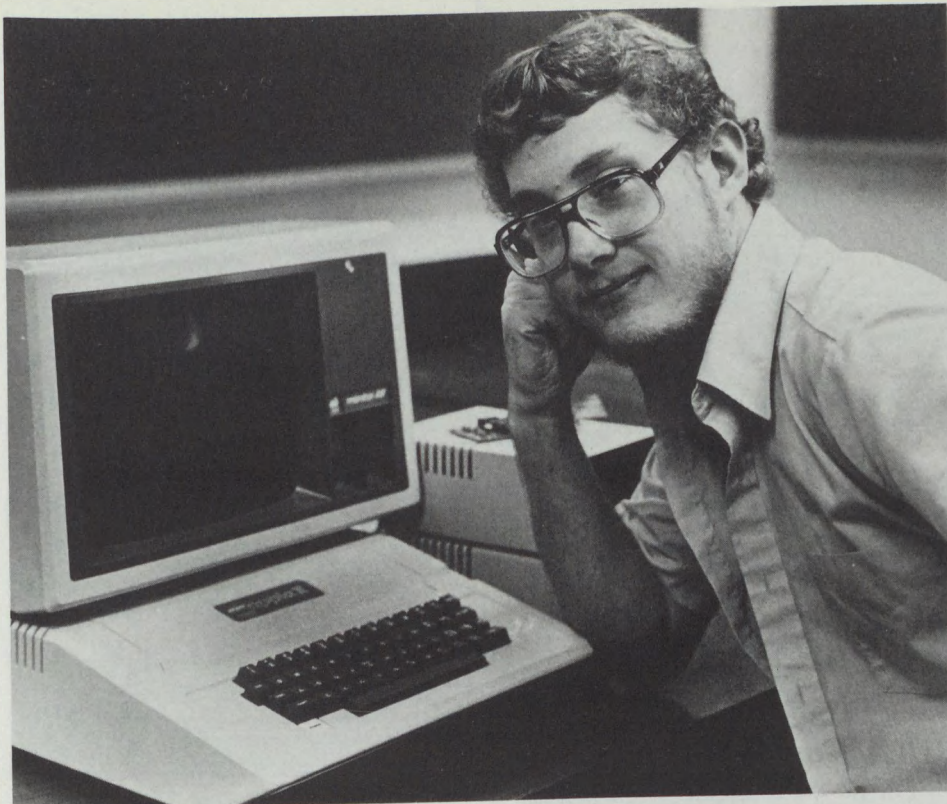
These three columns give a wealth of information about two important subjects barely touched on in my article: networking and graphics. Even when assessing specific software, Sandberg-Diment gives an informative overview of the larger subject. Read these columns for an understanding of significant recent developments in personal computers.

Sherry Turkle. *The Second Self. Computers and the Human Spirit*. New York: Simon and Schuster. 1984. In paperback by Touchstone. 1985.

Turkle is a sociologist and psychologist concerned with the computer as it affects the way we think, especially the way we think about ourselves. Based on six years of field research, the book describes the behavior of many different computer users — among them, children, video game players, home computer amateurs, and hackers. Turkle observes that working with computers forces us to consider in what ways we are like or unlike a machine.

Joseph Weizenbaum. *Computer Power and Human Reason. From Judgment to Calculation*. San Francisco: W.H. Freeman and Company. 1976. Paperback.

No technical background is necessary to enjoy this classic by a distinguished computer scientist. Weizenbaum considers the nature of tools, the sources of the computer's power, its uses and misuses. Writing from a broad perspective, he discusses the philosophical, psychological, and social questions raised by the presence of the computer. ■



Computer Games

by Peter Havholm

Eric Parker '87 co-authored the computer game "Conan," which has since sold over 10,000 copies. He has just completed "Sgt. Sabre."

Eric Parker '87 and one of Wooster's Apple II's.

When Eric Parker '87 was 16, his parents bought the family an Apple II+ computer. "They thought it would be educational for us," says Eric.

It was, for all three Parker children: Jeff, '83, now a research physicist with Machine Vision International in Ann Arbor, Michigan, Jennifer, '86, at Boston University on Wooster's 3-2 program in physical therapy, and Eric, a Wooster sophomore. Eric, however, *really* got interested. He has now co-authored two commercially successful computer games for the Apple.

While fooling around with BASIC, the popular beginners' programming language, Eric became fascinated with the language's ability to create graphic images on the screen. It was a short jump from there to making the pictures move. And then, BASIC wasn't enough; programs written in BASIC moved screen images too slowly for Eric's taste. He wanted the speed of coin-operated video games and games for the Apple written in assembly language, whose animation approaches the quality of Saturday morning cartoons.

Eric became fascinated with the language's ability to create graphic images.

So Eric taught himself to write programs in 6502 assembly language. A program written in BASIC tells the 6502 microprocessor (or "chip") at the heart of the Apple what to do. But the BASIC language is quite different from the language the 6502 speaks, and the translation process is complex, about like that from English to Russian. Programs in 6502 Assembler must still be translated, but the job is much easier — more like translating pig latin into English — and therefore much, much faster.

With a friend and fellow Apple owner, Eric Robinson, Eric completed his first video game, "Talon," when a high school senior. Broderbund, one of the most successful publishers of games for home computers, liked it, but they felt it was too close to the coin-operated game "Joust" for them to distribute. They sent it along to other game publishers, however.

AtariSoft liked "Talon" enough to commission Eric and his friend to write a straightforward copy of "Joust" for Apple computers which they then published under that name, with permission. In the meantime, the two had written another game, "Visigoth," which was wholly original and for which Datasoft offered them a contract. No doubt with the marketing muscle of the Arnold Schwarzenegger movies in mind, Datasoft re-titled the game "Conan," and it has since sold over 10,000 copies in this country and in Japan, where there is a version for MSX home computers under development.

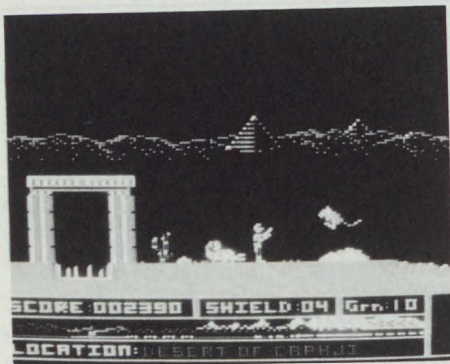
Eric and his friend split 12% of the net for their efforts. They get a smaller portion of the profit from the translations of "Conan"

Datasoft commissioned for Commodore and Atari home computers, and there are rumors of further versions for IBM and Sanyo.

Last summer, Eric completed "Sgt. Sabre," scenes from which illustrate this article. Now under consideration by three software companies, the game is set in a vast land with seven different kinds of terrain. The Sergeant's mission there is to find seven pieces of a mystical calendar stone, aided by seven maps.

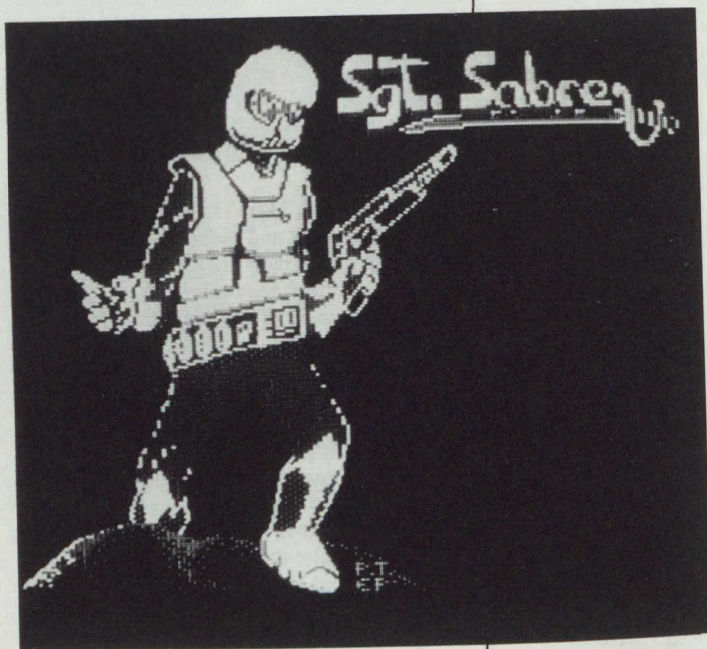
If he survives the desert, the Sergeant encounters a village of spearthrowing smurfs.

Sgt. Sabre begins his quest in the Hyperion Jungle, where malevolent forest creatures and birds attempt to destroy him. After he has found the map and a piece of the stone, he can leave the jungle for the Desert of Caphji. There, kangaroo rats and burrowing scorpions, more powerful and cunning than their jungle predecessors, attempt to cut his journey short.

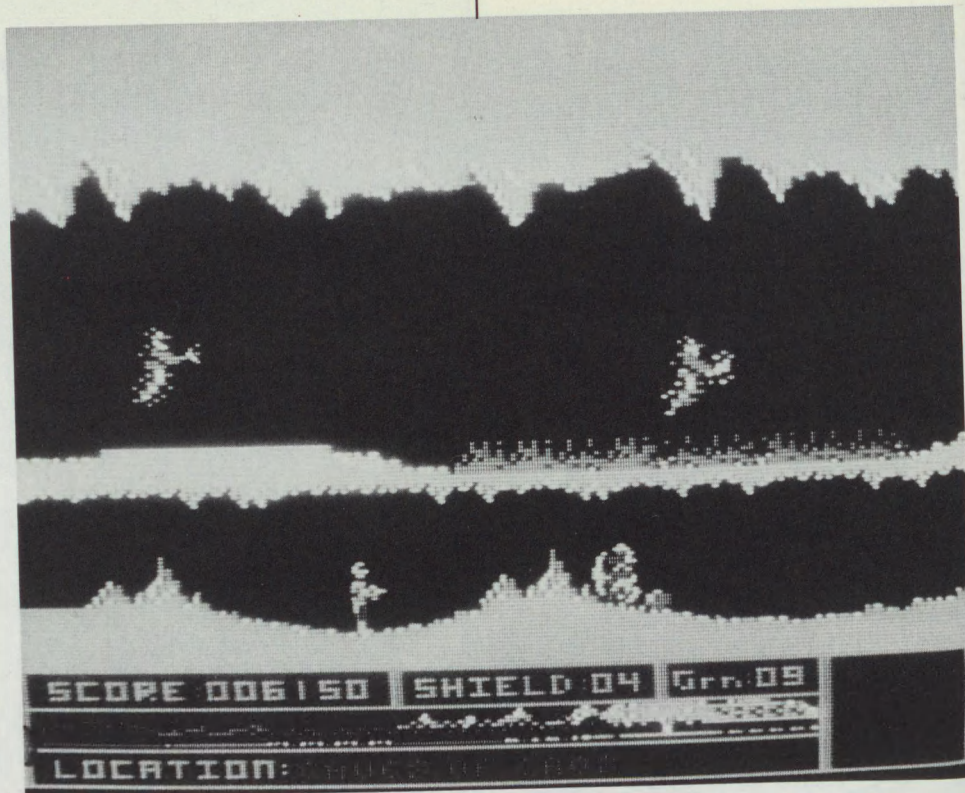


The Desert of Caphji. Left to right: Burrowing Scorpion, Sgt. Sabre, Giant Kangaroo Rat.

If he survives the desert, the Sergeant encounters a village of spearthrowing smurfs, Talon Mountain with its commando warriors,



Armed and armored, Sgt. Sabre trudges forward. The pointillism of computer graphics is visible here: the picture is "painted" with colored dots.



The Caves of Chaos. Dragons left and right above; on the lower level, Sgt. Sabre (left) aims his laser blaster at a Goblin.

giant bees and mines, the North Pass and its commando drones and their cluster-copters, the Caves of Chaos and their ax-throwing goblins, and the Dungeon of Olekk with its extraordinarily powerful evil wizard. At each stage, the skill and power of the Sergeant's foes increase.

Sgt. Sabre is armed with a laser blaster and a renewable supply of hand grenades. He also has a shielding force field which can sustain ten lethal attacks before running out of power. The Sergeant can walk, dive, jump, climb, lie flat, and aim his blaster up to an angle of 45 degrees.

Like a good game of any kind, "Sgt. Sabre" has what Eric calls "depth." By that he means that a player must become knowledgeable about the intricacies of the game to be successful. Unlike "Space Invaders," which requires only the kind of superb small-motor skills that seem to peak at about age 14, "Sgt. Sabre" is set in a complex fantasy world whose internally consistent physics, geography, zoology and ethnography must be mastered if one is to become adept. The game combines the pleasures of reading a fantasy novel, mastering "Monopoly," and dallying in a shooting gallery.

It took Eric about five months to write "Sergeant Sabre." Though he put in a number of 16-hour programming days last summer, he does not work extensively on new games during the academic year. His coursework on the way to a special major in physics and mathematics is too demanding.

Just to keep his hand in, he has taught himself 68000 assembly language.

Just to keep his hand in, however, he has taught himself 68000 assembly language so that he can write games for Apple's Macintosh, which uses Motorola's 68000 chip. As a matter of fact, Eric and David Hunter '88 can be found in the Taylor computer center some afternoons, practicing their 68000 programming skills by producing a game of pool that can be played on the Macintosh screen. ■

Inside "Sgt. Sabre"

Programming in assembly language is one step above programming in the language computers actually speak, a language of 0s and 1s. (BASIC, the most popular programming language among amateurs, is yet another step away from assembly language. Along with languages like COBOL, FORTRAN, and PASCAL, it is therefore called a "high level" language.) Essentially, assembly language allows the programmer to appeal by name rather than by number to each of the commands built in to the 6502 microprocessor.

Perhaps the easiest way to think of how a computer program operates is to imagine the 6502 chip as a tiny, perspiring worker who, though not very bright — he can only do 56 different things — is very fast: he completes about 50,000 tasks per second.

The art of computer programming is to get the chip to do those few things in an order which will make useful or interesting things happen in the computer and on devices attached to it, like a screen.

Below are six instructions of the 18,000 in Eric's program. They make up the procedure that instructs the chip to get Sgt. Sabre turned around. If the Sergeant is facing right at the time the chip begins to follow these instructions, 6502 turns him to the left; if left, to the right.

Actually, it's even less than that. Because 6502 can perform only the simplest of tasks, anything complicated requires a long sequence of small actions. These six instructions only change Sgt. Sabre's status; they do not draw anything. That is done elsewhere in the program, where a bulletin board of pictures is created. This picture board holds all possible attitudes in which we will see Sgt. Sabre, the blast of an explosion, laser fire, and all the animated features of the game.

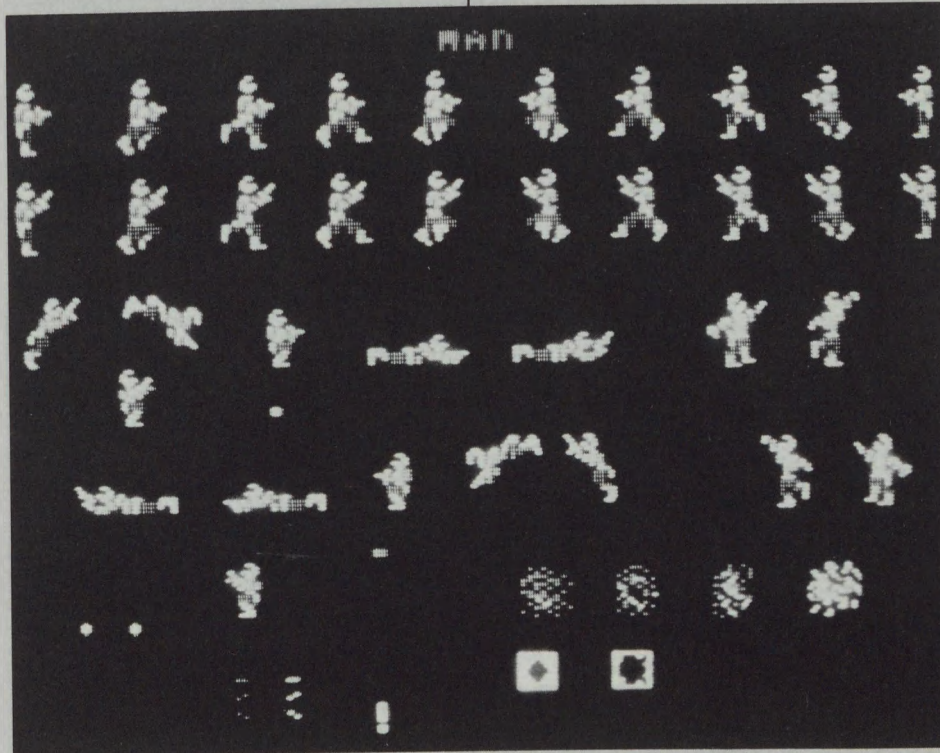
Every 60th of a second, 6502's colleague, the screen painter, stops by to find out what to paint now. The screen-painter first checks the status bulletin board. It tells him which pictures to copy from the picture board. He then grabs the appropriate pictures and puts them up.

The instructions here tell 6502 to change Sgt. Sabre's status from facing one way to facing the other way. The whole process is just as sequential and repetitive as that involved in the house that Jack built.

Crudely put, Eric instructs worker 6502 to use the following six accomplishments among his 56 to get the job done.

1. Hold it in your hand for a minute (in fact, for a 50,000th of a second).
2. Get it from that labelled box.
3. Put it over there in that labelled box.
4. Put it up there on that bulletin board
5. Take it from the bulletin board.
6. Go read a specified instruction other than the next one in line.

The actual instructions are the three-letter "words" such as "LDA" and "EOR" below. Immediately to their right are the names and numbers they work with.

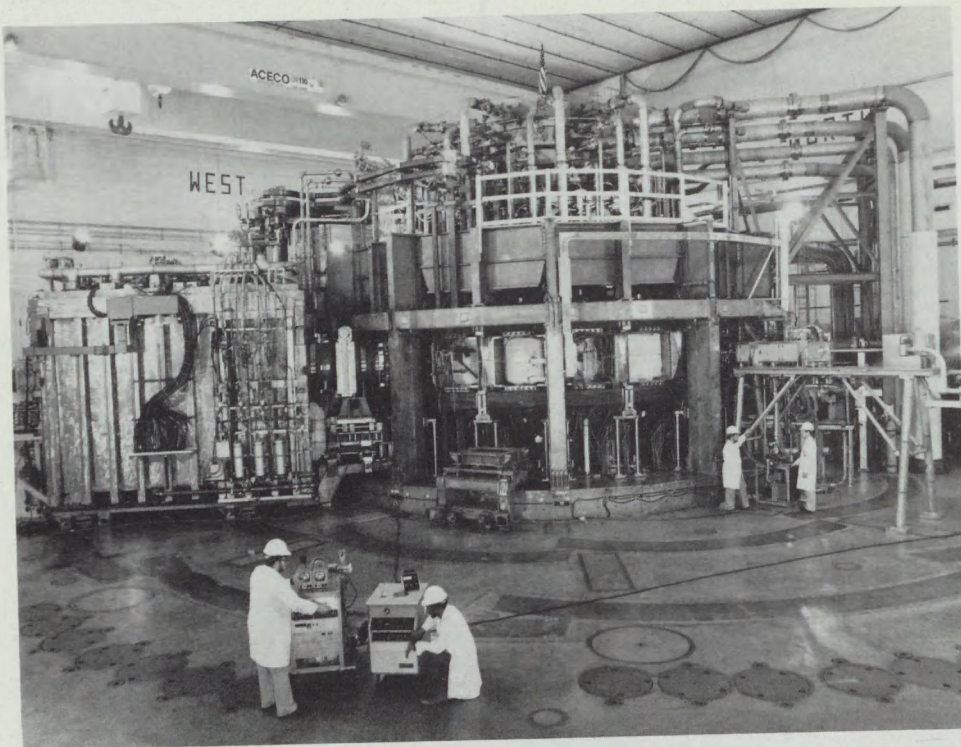


Part of Sgt. Sabre's section of 6502's picture board. The pictures in the first two lines, when run in appropriate and rapid sequence, result in an animated Sergeant. Note left-facing and right-facing images.

LDA	CURFAC	Get the number from that box over there labelled "CURFAC" and hold it in your hand a minute.
EOR	#\$0C	Compare the number in your hand with the number 12. If the number in your hand is 12, replace the two numbers with the result of 0. If the number in your hand is 0, replace the two numbers with the result 12. (0 names the left-facing status; 12 names the right-facing status.)
STA	CURFAC	Put the result number you have in your hand back in the box labelled "CURFAC."
LDX	#\$00	Hold Sgt. Sabre's identification number (00) in your hand a minute.
STA	FAC,X	Put the number in the CURFAC box on the status board in Sgt. Sabre's section. (That way, if something else gets put in the CURFAC box, a more permanent record of the Sergeant's facing status remains available on the status board.)
RTS		Go back to the next program instruction after the one that told you start this business.

The computer's limitation is that the chip can do very few, very simple things. Its power is the blinding speed at which it does them. And the 6502, developed by MOS Technology in 1975, is ancient history. It is a model T in flexibility and speed compared to the Motorola 68000 microprocessor, for example, which can handle 120 different instructions eight times faster.

The 6502 chip is a technological marvel, of course, but we ought also to be impressed by the people who designed its instruction set. Their achievement was to conceive of 56 tasks that, properly ordered and combined by a good program, can do marvelous things. Just as impressive is the programmer who can get the visual and gaming complexity of "Sgt. Sabre" out of so tiny a repertoire of abilities.



After Majoring in Physics or Math

by James Breiner '73

Jeffrey B. Parker '83, now with Machine Vision International, remembers trying to measure the speed of light. Unfortunately, the experiment was complicated by problems with alignment, scattering, and streetlights. These things happen in junior I.S.

Donald J. Grove '41 (right) is a Principal Research Physicist at Princeton University. He led the team that succeeded in producing the first plasma in the Tokamak Fusion Test Reactor (above) at Princeton's Plasma Physics Laboratory in 1982. The team was "on an extraordinarily tight schedule, involving three shifts per day. Success at 3:06 a.m. December 24th!"

Jeffrey B. Parker '83 remembers trying to measure the speed of light. There was a problem. He had to make the light travel far enough so that he could measure it, but he lacked the proper laboratory set-up.

So Parker, then a physics major, and Professor Budd Russell made their own. That meant aiming a laser beam out a window in Taylor Hall toward the fire escape on Scovel Hall, where the light was reflected by a mirror glued to the shaft of a vacuum cleaner motor. Unfortunately, the experiment was complicated by problems with alignment, scattering, and streetlights. These things happen in junior I.S.

"I got many weird looks and several pointed questions from Security outside Scovel that night, but no values for the speed of light," recalls Parker. Instead, he might have discovered the joy of science.

Several alumni recently told the *Magazine* something about their work after graduation as majors in mathematics or physics. Nearly 50% of those who received questionnaires responded, a surprise in itself. As surprising was the candor of the respondents, some of whom described how accident rather than design played a big part in their ultimate career choices.

For many of them, the world has offered a challenge in the form of unexplained phenomena, complex business problems or, for those who became teachers, that enemy ignorance. A common trait among those drawn to the study of physics seems to be a love of tinkering. They spend some of their happiest moments working with their hands, getting machines to work, whether in the household or the laboratory. This is the practical side of a science that describes a world too small for us to see.

A lot of what these graduates do is measure or quantify — a hospital bill, a substance's reaction to high pressure, the variable costs of telephone service. In essence, measuring is Jeff Parker's business. As a research associate for Machine Vision International in Ann Arbor, Michigan, he works





Nancy Fischer Caldwell '50

mainly on high-resolution non-contact gauging of tungsten carbide machine tools by enhancing video images with numerical and optical techniques.

"Image processing requires a hands-on, intuitive, heuristic feel for the tools available and how they can be combined in new ways," Parker says. "The solution to a problem often lies in changing the variables of the camera, lighting and lighting angles." Talking to customers also requires special skill, as does writing internal reports and memos.

Then there is the problem facing Donald J. Grove '41, manager of Princeton University's Tokamak Fusion Test Reactor. With a \$75 million annual budget from the U.S. Department of Energy, Grove and a staff of 1,100 are trying to produce the information needed to design the world's first fusion reactor. Such a reactor would produce energy by fusing light elements (such as hydrogen) rather than splitting heavy elements (such as plutonium), the existing nuclear technology. Fusion's advantages, Grove says, are the "substantially smaller radioactive consequences" compared with fission and an "essentially infinite" fuel supply.

"That spirit of trying to knock your own idea down by testing it is characteristic."

Grove has always preferred working on practical applications rather than theory. Scientists, he says, relentlessly test their solutions to problems. "That spirit of trying to knock your own idea down by testing it is characteristic." Scientists "are continuously looking for a new way of trying to take all the things they see, and instead of having 50 different explanations, try to come up with one."

Nancy Caldwell '50, now of Silsbee, Texas, audits large hospital bills for insurance companies. She arrived in this job about three years ago by a somewhat circuitous route. She majored in mathematics and chemistry

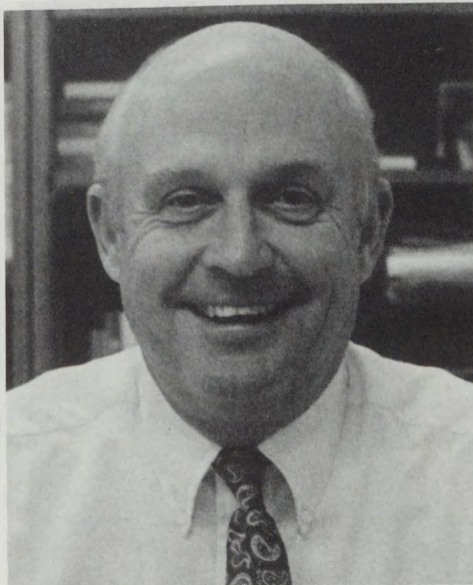
intending to teach, worked in a city finance office, raised four children, became a registered nurse at 38, and then earned a master's degree in health care administration.

Now she studies the hieroglyphics of hospital bills, searching for overcharges. "The average rate of error on these things is about 4 percent. I use everything I know about the medical profession. It's problem solving." She always liked that better than the social sciences. "I like to come out with an answer at the end and tie it up in a bow and say, 'Here it is.' I have trouble with all the multiple interrelationships in history. I like things that come out even. The social sciences seemed to me to be kind of iffy."

Donald Grove credits the late William Westhafer and Earl Ford, Wooster physics professors, for helping him along in his career. Ford "personally saw to it that I was properly nurtured" and helped him get a fellowship at MIT upon graduation. Grove got his Ph.D. at the Carnegie Institute of Technology. "Beyond the technical area, I am a firm believer in a liberal arts background," Grove says.

Nancy Caldwell, the hospital bill auditor, has fond memories of mathematics professor Melcher P. Fobes, who retired in 1980. "He is still one of my favorite characters in this world. He would talk you through something. He had an amazing ability to talk you through it from beginning to end."

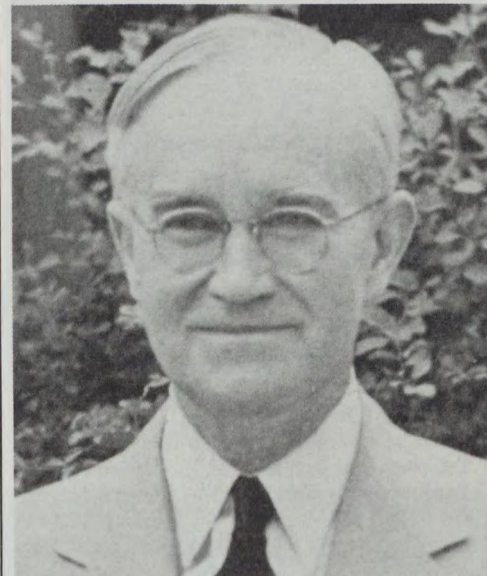
Donald J. Fluke '47 teaches a concept drummed into his undergraduate skull by chemistry professor William Kieffer, who also retired in 1980. Fluke, now professor of zoology at Duke University, says Kieffer taught his Wooster students that physical chemistry is a research subject, not a classroom subject. "The textbook was just a jumping-off place. He taught us that knowl-



Robert T. Voelkel '54 majored in mathematics at Wooster and then did his graduate work in theology. "I chose the study of religion as a field because of my home background and a religion course at Wooster." Vice President and Dean of the College at Pomona College in Claremont, California, from 1975 to 1985, Voelkel has been appointed W.M. Keck distinguished service professor at Pomona.

edge is open ended. I still try to convey that to my students."

Brent A. Warner '75 of Laurel, Maryland, an aerospace engineer with NASA, recalls a demonstration of angular momentum by David Elwell, then assistant professor of physics and now at the Ohio Agricultural Research and Development Center in Wooster. "He used simple equipment: a rotating platform, or turntable, sitting on the floor in



William Westhafer joined the Wooster faculty in 1918 as professor and head of the physics department. He was Dean of the College from 1929 to 1944. He was at work on his courses for the fall when he died suddenly in June, 1945.

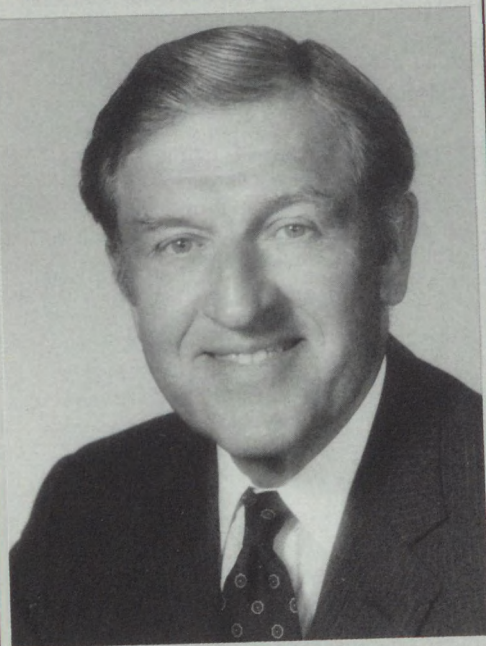
the front of the lecture room, and a pair of weights. Grasping the weights in his hands, Elwell stepped onto the turntable and set it spinning slowly. Then he tried to speed up the turntable by pulling in his arms. The turntable wobbled, Elwell went flying, and the front row was almost wiped out by the impact of physics professor and weights."

Elwell also embodied the Wooster motto "ex uno fonte." "Beside his office door was a sign with two statements," Warner recalls. "The first: 'I really understand the material, I just can't do the problems.' The second: 'But be ye doers of the word, and not hearers only, deceiving your own selves. James 1:22.'" Elwell also lectured on the central role of light in both Einstein's theory of relativity and the creation account in Genesis.

Warner, incidentally, is one of the tinkerers. While a graduate student in solid state physics at Ohio State University, he frequently made the equipment for his experiments himself, using lathes, drill presses, milling machines and soldering irons. He is particularly proud of a device he designed for measuring the contraction of solids under extremely high pressure.

John Redfield '77, a physics major at Wooster and now an exploration geophysicist with Shell Offshore Inc. in New Orleans, says that the most useful course he took in college was in oral communication. In his work, "The most important resource is the ability

J. W. Pocock '38



Chairman of Wooster's Board of Trustees since 1970, J. W. Pocock '38 double-majored in physics and mathematics and took a minor in drama at Wooster. He then earned an M.S. in Civil Engineering at MIT and joined Armstrong Cork Company (now Armstrong World Industries). When Armstrong turned to war production, Pocock worked first in munitions and then, at the age of 25, became Chief Engineer of the aircraft division. While there, he redesigned the tail structure of the Voght F4U Corsair fighter aircraft to eliminate a lethal weakness.

Pocock has vivid memories of the late William Westhafer, Chairman of the physics department and Dean of the College during Pocock's student days.

"Westhafer sat behind a great big desk in his office at the head of the Galpin stairs, and as you came up the stairs, you could just see his head over the top of it. And if he wasn't the greatest teacher I ever had, he was certainly one of the terrific ones. He had the ability to draw you out of the subject.

"Once he was talking about our all being made out of atoms. And then he said that waves pass through each other without any interference. And then he said, 'So you see, there can be another world right where we are now. There could be a person or an animal or something sitting right there in your seat and you would never know it — unless there were some sort of electrical disturbance or something that just perturbed the wave length enough to allow the other world to come at you. Then you could have both worlds at once.'

"He would throw things like that out, and even the kids who were taking physics 101 under duress would be in the back row of that old lecture hall with their mouths gaping open. And you never knew when he was

going to slide off like that; it would just appear in the middle of his little workmanlike lecture down there at the big experiment table.

"Westy called me into his office late in my senior year. At that time, I was in the senior course called 'Ions, Electrons and Ionizing Radiations' — we'd call it 'Nuclear Physics' today — and I loved it and he knew I did.

"He said, 'Pocock, you really enjoy physics.'

"I said, 'Yes, I do.'

"He said, 'You enjoy the Ions course.'

"I said, 'Yes, I do.'

"He said, 'Well, it shows, and you are good, but I just want to chat with you a bit. If you want to go on in that, all right. But I want you to know that there will never be any industrial or commercial use for Ions, and you will have to settle for being a professor like myself, and I don't think you would like that.'

"I said 'No.'

"He said, 'No, you want to get out and do something. Then I would suggest that you get out of this particular field.'

"Here was the greatest teacher I ever had telling me to get out of the field, even though I enjoyed it, because he knew it wouldn't carry me where I wanted to go."

In 1944, Pocock joined the consulting firm of Booz, Allen and Hamilton, Inc., from which he retired as Senior Vice President in 1972. He is past chairman of the Association of Governing Boards of Colleges and Universities and continues to do consulting in higher education, most recently in the United Arab Emirates in the Persian Gulf.

"I had a whole bunch of physicists in the Applied Research division at Booz, Allen, and they were different — at least, the good ones were. Their brains were always active on so many things. Most of them were excellent musicians of one type or another; it fits — the sense of being in tune with the vibrations of the universe and the music. Of course they liked games: chess, Go.

"It was always *de rigueur* to wear sloppy slacks and tennis shoes, and even the great physicists would come to major committee meetings in old tattered tennis shoes.

"Physicists are often very difficult at parties. They shut up until something sparks their interest, and then they just light up like a Christmas tree. Suddenly, they're the most charming people there, and everyone is crowding around.

"They are great critics. Their minds roam so far that they are critics of most anything. In fact, they get nauseating when they criticize, and what makes them nauseating is that they're right."

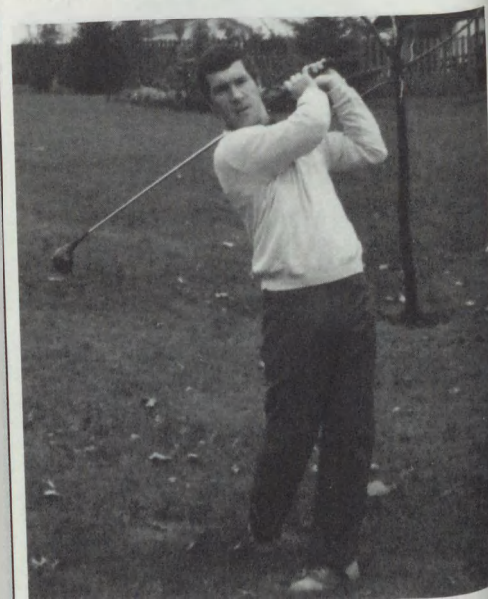
own problem. In my job, I get to see what other people do." She earned her mechanical engineering degree from Washington University in St. Louis under the 3-2 program, which allows a student to spend three years at Wooster, transfer, and complete the engineering degree in five years rather than six.

Scientific research involves an element of craft, says Craig L. Peebles '72, assistant professor in the department of biological sciences at the University of Pittsburgh. While he says determination to succeed is important, he adds that "In many ways, this is a craft, as watch-making used to be. I

The solution must be not only inexpensive but easily maintained, not harmful to other parts of the airplane, and light-weight.

literally do a lot of very careful work with my hands. You have to be very careful with experimental materials."

He and his collaborators have devised a new method of splicing messenger RNA. RNA poses special problems in the lab because almost any enzyme, including those on the surface of the skin, will degrade it. "Almost any substance has the potential for dooming your experiment," Peebles says he knows of no practical application for the discovery. It is a piece of pure research.

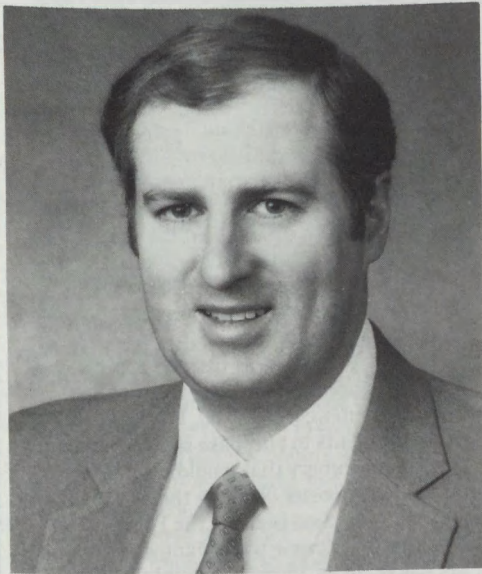


Gary L. Welshhans '73 majored in mathematics at Wooster and is now the golf professional at the Wooster Country Club where he organizes events, gives golf lessons, manages the pro shop and supervises play on the course. "If you play golf and hit one great shot, you get the urge to hit another. Somewhere, I must have hit two consecutive great shots because I really got the bug."

Peebles says that because physics is the most basic science, it was not too difficult for him to move to a new scientific field. He received his doctorate at the University of Chicago in the department of biophysics.

Jeffrey S. Close '78 of Bloomfield, Connecticut, a physics major at Wooster, also

happens to be in the communications business, evaluating and redesigning voice and data networks for businesses. He is a consultant with DMW Group Inc. The *New York Times* quoted him recently in a story about why WATS lines are becoming an area of hot competition among long distance telephone companies.



Jeffrey Close '78 "chose telecommunications because it was interdisciplinary in nature. My Wooster degree was actually in applied physics and broadcast electronics, under the very positive influence of both Don Jacobs and Win Logan."

"It was very important to learn how to write, and write well," Close says of his job. "I have to produce reports for clients, and I have

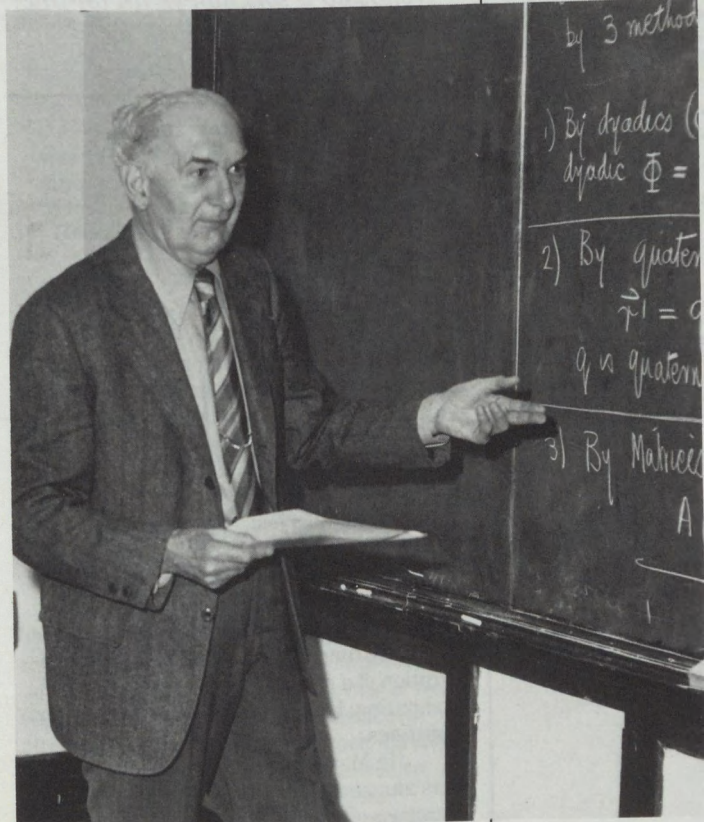
to explain the systems in terms that financial managers can understand. It's a very technical subject. My time at Wooster was good preparation. The liberal arts background gave me a broader view when attacking problems." Close's senior I.S. project was to build a console for the College radio station, WCWS-FM, designing the circuits from scratch.

Science is a people business. Larry I. Amstutz '63 runs the electrical machinery branch of the Army's Fort Belvoir, Virginia R&D Center, where he is working on pulse power sources for directed energy weapons such as lasers, microwaves and particle beams. "My days are filled with people," he says. "I spend more time with people than with technology."

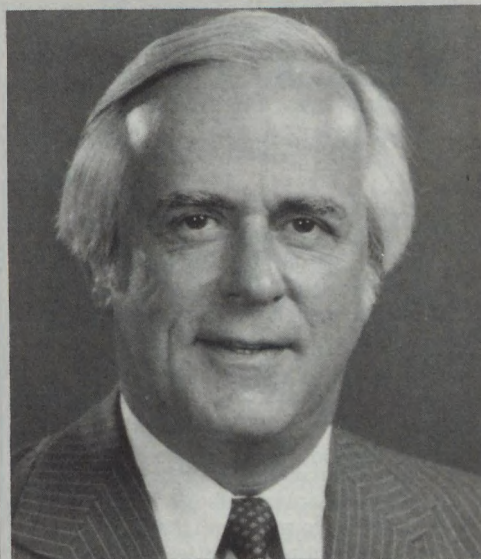
"In many ways, this is a craft, as watch-making used to be. I literally do a lot of very careful work with my hands."

Donald Grove '41 manages a team of 1,100. Karen Anderson '84, remarks that "there are 30,000 engineers working at Boeing, and all 30,000 know what is going on all the time. One has to be able to work with peers and bosses, listen to suggestions and criticisms, in order to succeed." It should come as no surprise to Wooster's alumni that so many of their peers who went to class in Taylor hall ended up in the people business. At a liberal arts college, after all, there is a determinedly human context for the study of physics and mathematics.

Reginald J. Stephenson (1903-1973) joined the Wooster faculty in 1945 as professor and chairman of the department of physics. He retired in 1971.



Robert B. Meeker '51



After graduation, Robert B. Meeker '51 served in the U.S. Army, took graduate courses in business and engineering at MIT, and then moved from a research position to Senior Vice President and Group Executive for the Hobart Corporation.

Retired from Hobart in 1982, he now has his own international consulting firm, Robert B. Meeker Consultants Incorporated, in Troy, Ohio. He joined Wooster's Board of Trustees in 1976.

"One of the thrills of taking physics was that we had a physics lab, and I'm a tinkerer. I love to tinker — make things — hammer, solder, weld. While I was at Wooster, the Art Department was in Taylor, so I did some tinkering for them. Don MacKenzie got me interested in taking a course in ceramics, and I got an A in it; that was better than I was doing in physics.

"The ceramics fitted into my general plan to get into creating, building, making; and the combination of physics, chemistry and math, and then art added to it, gave me a background that I used time and time again afterward. I took a couple of drawing courses, and when later I got into designing and managing the construction of manufacturing facilities, the ability to pick up a pencil and sketch quickly in three dimensions was wonderful.

"I remember professors Stephenson and Fobes. Those two men were dynamic. I learned the math, and I have used it all the rest of my life, in my own logic, my thinking.

"In Taylor, you'd also run into people in the Speech Department, like Craig and Logan. That led me to take some courses in speech and theater appreciation, and that turned out to be a great asset because in my later life I didn't stay in a laboratory. I got into management, and that meant speaking and training others.

"It's interesting how spending time in that little basement area in the back corner where the lab was led to so much that made my future work. You could say that it all started in Taylor Hall."

The DEN

by Bruce Jones '85 and Winnie Williams '87

This is the story of the Douglass Experimental Network, an Appletalk network for personal computers in Douglass Hall. The network is unique not because of its technology, which is readily available, but because students, fully supported by the College, conceived and supervised its installation, after class.

In the fall of 1984, President Copeland asked Donald Harward, Wooster's Academic Vice President, to work with the ad hoc academic computing committee's students, faculty and administrators to prepare full proposals, with budgets, to clarify the alternatives for Wooster's next step in academic computing.

Computer Center Interns Chester Andrews '85 and Bruce Jones '85 and Peter Havholm, College Relations Officer and English professor, volunteered to investigate the advisability of networked microcomputers. They enlisted seven students to help: art major Jennifer Burrows '85, economics major

Bill Gardner '86, biology/computer science double major Sanjay Patel '86, geology major Abe Springer '87, economics major Judy Skwartz '85, political science major John Szekeres '85, and computer science major Winnie Williams '87.

Finding meeting times that did not conflict with field hockey, Wooster Chorus

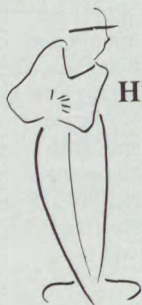
The network is unique because students conceived and supervised its installation.

rehearsals, science labs, and cross-country was no easy task. We found a solution in an on-line conference, which we called DISCUSS, run on the College's central super mini-computer, the VAX 11/750. Committee members logged on at their convenience each day to check other members' progress, offer suggestions, ask questions, or provide commentary on their own progress.

One of the first two Apple Student Hero Awards. The other is at Dartmouth College with Bruce Jones '85, to comfort him as he works on a master's degree in computer science.

For efforts far above and beyond the call of duty in the service of your fellow students in furthering higher education through computer access, and for a great idea followed through to its completion, we are pleased to present the

APPLE STUDENT HERO AWARD



WINNIE WILLIAMS

This certificate represents our sincere thanks for a job well done.

Thank you.

John Sculley

John Sculley, President
Apple Computer, Inc.

We decided to call our proposal the "Prexy Project" in memory of Wooster's past president Charles F. Wishart, who argued eloquently for the teaching of modern science at a Presbyterian college. The proposal called for connecting every residence hall room to WoosterNet (Wooster's broad band local area network), for the College to subsidize student and faculty purchases of microcomputers, and for the College to purchase a number of Packet Communications Units (PCUs), the devices necessary to connect a computer to WoosterNet, for students to rent.

After extended discussion of the three proposals (the other two were for a larger central computer and an increased staff), it was decided that none alone would meet the College's current needs. A "middle ground approach," i.e. a combination of all three proposals, was necessary. We had a great celebratory dinner after our presentation, but no new microcomputers.

Our proposal was just too expensive. The PCUs necessary in each room with a microcomputer cost \$950.00. We could not expect students to purchase so expensive a piece of machinery that would be of no use to them after Wooster. Renting them to students was not a solution because the PCU was so new that its lifetime was unknown; we could not calculate an appropriate rental charge. We had too few answers, and no experience to turn to amidst such state-of-the-art technology. Being on the leading edge can also mean being at the bleeding edge.

In February, Apple Computer announced its Appletalk computer network, which allows Apple Macintoshes and IBM compatible

We found a solution in an on-line conference, which we called DISCUSS.

computers to communicate and share resources. Bruce's eyes lit up when he saw that the cost of the little gadget to connect workstations to the network, equivalent to the PCU in the Prexy Project, was \$50.00 instead of \$950.00.

However, Appletalk was brand new and not intended for a Wooster-sized network. He did send his thoughts to Winnie Williams, who was spending her second semester on Wooster's off-campus program in Cordoba, Spain. But with I.S. looming, his ideas were put into long-term storage.

In March, just before Independent Study projects were due, the VAX, with hundreds of I.S.s inside, crashed. None of the I.S.s was lost, but their owners were unable to have them printed. They were effectively locked away from the students for a short but irritating time. It was an impressive demonstration of a disadvantage of centralized computing: If one machine goes down, nobody functions.

In May, one part of the "middle ground" was announced. In anticipation of the purchase of a large number of microcomputers,

AFTER CLASS



The authors with Bert Cummings, University Programs Manager for Apple Computing.

word-processing, previously the VAX's primary function, was to be removed from it. Mail functions allowing users to communicate for educational purposes like our DISCUSS conference or for fun were to be reduced significantly. Student accounts on the VAX would be effectively limited to work directly connected to courses.

Just three days back from her semester in Spain, Winnie received a call from Bruce: "Win, you won't believe what's happened to computing at Wooster while you've been gone. What would you think of putting together something along the lines of the Prexy Project and giving it one last shot?"

Both of us were on campus that summer, Bruce working with Wooster's summer science and mathematics camps and Winnie managing the College's Student Employment Office. Among those commitments, after many hours on the telephone, reading, writing to companies, discussing, visiting east coast universities, and occasionally consulting with Havholm, the proposal was complete.

At almost the same time, Vice President Harward announced that the College was purchasing an additional VAX 11/750, that the staff of the Academic Computing Center was being increased, and that by means of a grant from Rubbermaid Incorporated, funds would be available for some experimental computing projects proposed by faculty and students.

Our proposal was just too expensive.

This time, we asked the College to make purchase agreements to reduce the cost of computers to students and faculty. We proposed the purchase of a variety of software to begin a software library. And, we proposed the wiring of every room of one dormitory with the Appletalk Local Area Network. We suggested Douglass Hall for its residents' already strong communication, their variety of majors, the mixture of men and women, and the variety of classes represented.

The network, quickly nicknamed DEN

(for "Douglass Experimental Network"), included computer connections in every room, one Macintosh wired to WoosterNet, a laser printer capable of printing graphics as well as text, and a 20 megabyte file server. The advantages of the network included electronic communication, and above all the ability to share resources. No student on the DEN needed to invest in a printer or a great deal of software. The file server would have a large variety of public domain software, additional styles of text, scientific characters, games, and a residence hall calendar for all to use.

The DEN was an attempt to create the ideal environment in which to own a micro-computer, and it would test whether such an environment would encourage students to purchase their own, further reducing the pressure on the College's central computing resources without obligating the College to

For his story on the Grand Opening of the DEN, Mike Di Pasquale '81, of WAKR-TV in Akron, asks Emilie Storrs '87 for her views on computing at Wooster.



provide every student with an expensive PCU.

The College accepted our proposal with some modifications, and work on the Douglass Experimental Network began the end of July. Chester Andrews and Bruce were hired by the College as supervisors, and Chester was chosen as the coordinator for Apple support in accordance with our purchase agreement with the company.

In March, the VAX, with hundreds of I.S.s inside, crashed.

We worked long hours with Fred Horst, Supervisor of the College's Electric Shop, his colleague Greg Mong, and workers from A.C. Electrical in Wooster in order to get the network functioning before the start of school. None of the students had any engineering expertise, and we had to learn along the way.

The project culminated on September 11, 1985, with the grand opening of the Douglass Experimental Network. The day was highlighted for us by the presence of Bert Cummings, University Programs Manager for Apple Computer, who presented us with the first Apple Student Hero awards. They had been designed by Apple Computer president John Sculley for the first project of its kind.

The DEN represents the College's willingness to trust its students' ideas. We believe that continued growth of computing in liberal arts education at Wooster depends on the ideas, energy, and motivation of other students as well as the college's continued commitment. Obviously, Wooster is ahead; it's amazing that the first Appletalk network conceived and installed by students was at a liberal arts college rather than a technical school. **AW**



Education and Machines

by Peter Havholm

This department, along with much else in this and future *Magazines*, takes its inspiration from a paragraph in Henry Copeland's 1985 opening convocation address, "Oh Well, It's Academic" (printed in the Fall issue):

The fact that colleges focus on the activities of the mind and its expressions does not mean that as institutions they are irrelevant appendages of the society around them. In an important sense, to think about the world is to change it. A change in the moral, political, or economic theories generally accepted by a society will alter the structure of society itself, while a change in one's own personal ideas will result in a change in one's relation to that society, and hence to some extent in the society itself. . . . We are the creatures of our thoughts, and the way we think about the world has very practical consequences.

"The way we think about the world has very practical consequences."

In the conviction that we are indeed the creatures of our thoughts — that even when we do not realize it, ideas guide our actions and shape the world we live in — "At Issue" will discuss controversies of importance on campus. We think readers will notice that many of the discussions they encounter here have implications far beyond Wooster and the academic world.

As Academic Vice President Donald Harward put it last spring in an open letter to the campus about academic policy in computing, there are "centralists" and "distributivists." Centralists believe that Wooster should concentrate on increasing the power of its central computer. Distributivists want the College to spread linked microcomputers over the campus. Both argue that their solution is better for education at a liberal arts college.

Both argue that their solution is better for education at a liberal arts college.

Usually, the issues this department addresses will have produced relatively clear opposing positions with which members of the campus community are associated. In this case, there are clear positions, but the names keep changing. Looking back through memoranda, minutes, and computer mail messages, one finds that many people involved have changed their minds more than once. Perhaps that is because the issue is so new.

Further, students, faculty and administrators appear in both camps; no class war here.

The argument itself is distributed. It has gone on in hundreds of different conversations, formal and informal, some of them electronic. What follows sums up rather than re-plays a vast set of discussions.

Last May, the dispute had a note of

urgency because the extraordinary increase in student and faculty demand for computing time had begun to load the College's VAX 11/750 super minicomputer ("the VAX") beyond its capacity. The VAX is a time-sharing machine that serves many. It attends to one user at a time, but usually so quickly that every user feels as if the VAX is hers alone.

In the first year after installation of Wooster's broad band local area network (WoosterNet), which allowed access to the VAX from most buildings on campus, something like 95% of academic computing was being done on it. Microcomputers were used as dumb terminals — VAX tools — even to do word processing.

When things got crowded, however, even the mighty VAX began to make people wait, and the waiting time got unacceptably long. There were rumors of half-hour delays during I.S. season last March.

Centralists urged purchase of a central machine that would handle ten times the load that was staggering the VAX. They argued that many of the most-used statistical programs are too big for personal computers, many scientific programs are similarly large, and sophisticated graphics require a computer even more powerful.

Distributivists argued that if the College bought a more powerful central computer, it would also buy responsibility for

Students, faculty and administrators appear in both camps; no class war here.

all student computing for the foreseeable future. They preferred to use the flexibility of WoosterNet to encourage students to purchase their own personal computers for all but uses that required a large machine. After all, a personal computer connected to WoosterNet could have access to the VAX, but most student work does not require it.

There is a romantic undertone to the distributivists' position, a note some centralists find self-righteous. In contrast, the centralists maintain an attitude of experienced realism; some distributivists find it patronizing.

Distributivists associate personal computers with creativity, initiative — perhaps even power to the people. To them, centralized computing means control. After all, is it not forbidden to create or play games on the VAX? They see the personal computer as a dynamic source of intellectual stimulation primarily because it is personal; no administrative trivia intervene between machine and user.

Centralists, in response, suggest that academic responsibility and cost efficiency ought to receive some attention. After all, this is a discussion that bristles with price tags. Should the College purchase or support the purchase of expensive equipment for game-playing? No responsible teacher would allow games during a lecture. An educational institution must place limits on the use of its computing resources. It is easier to maintain

an academic atmosphere with centralized resources. Such facilities allow the monitoring of computer use and therefore the most cost-effective support for needs as they arise.

But experimentation with computing is not less educational than exercises in Computer Science 151 or social science method courses, distributivists reply. Rather, it is active learning. Why should an innovative use

Centralists called the communications facilities "social uses," evoking visions of electronic beer parties.

of the computer have to get central approval before being allowed College support? What is I.S. all about, anyway?

One thing I.S. is about, say centralists calmly, is careful and thorough guidance in unexplored territory by an experienced, concerned advisor.

Frustratingly, centralist and distributivist solutions cost about the same.

Early last summer, the College took a "Middle Ground" position. At first, like most middle grounds, it made everyone unhappy. Essentially, the College doubled the VAX's power (well short of the centralists' major machine), arranged discounts for students and faculty on personal computer purchases, and purchased more microcomputers (but not

hundreds, and not linked to WoosterNet).

Distributivists were particularly unhappy this fall when VAX power was rationed. Faculty research and student uses of the VAX for course-related work approved by faculty were given the most power. Others found their ability to use the VAX communications facilities limited and freedom to make certain kinds of system modifications eliminated.

Centralists called the communications facilities "social uses," evoking visions of



Distributivists fear that VAXpower (below) corrupts; Centralists call personal computers (above) "Toys."

electronic beer parties. Distributivists responded that discussion was an ancient mode of learning.

The nub of the argument was exposed. Centralists, acutely aware of increasing demands on the VAX from faculty and students, want to get the jobs done. Distributivists care more about the computer as a way to explore new territory, both in computing and in communication. Centralists value well-defined academic uses of College computers above all else. Distributivists agree such uses are important but complain that they are not more important than what they see as creativity.

Because of the success of The Campaign for Wooster, the College had, almost overnight, been able to make its computing resources unusually sophisticated. But in the academic world, there is never enough computing power; imaginative people keep finding new ways to use it. Colleges must be selective. The context for the argument, therefore, will continue to be relative scarcity.

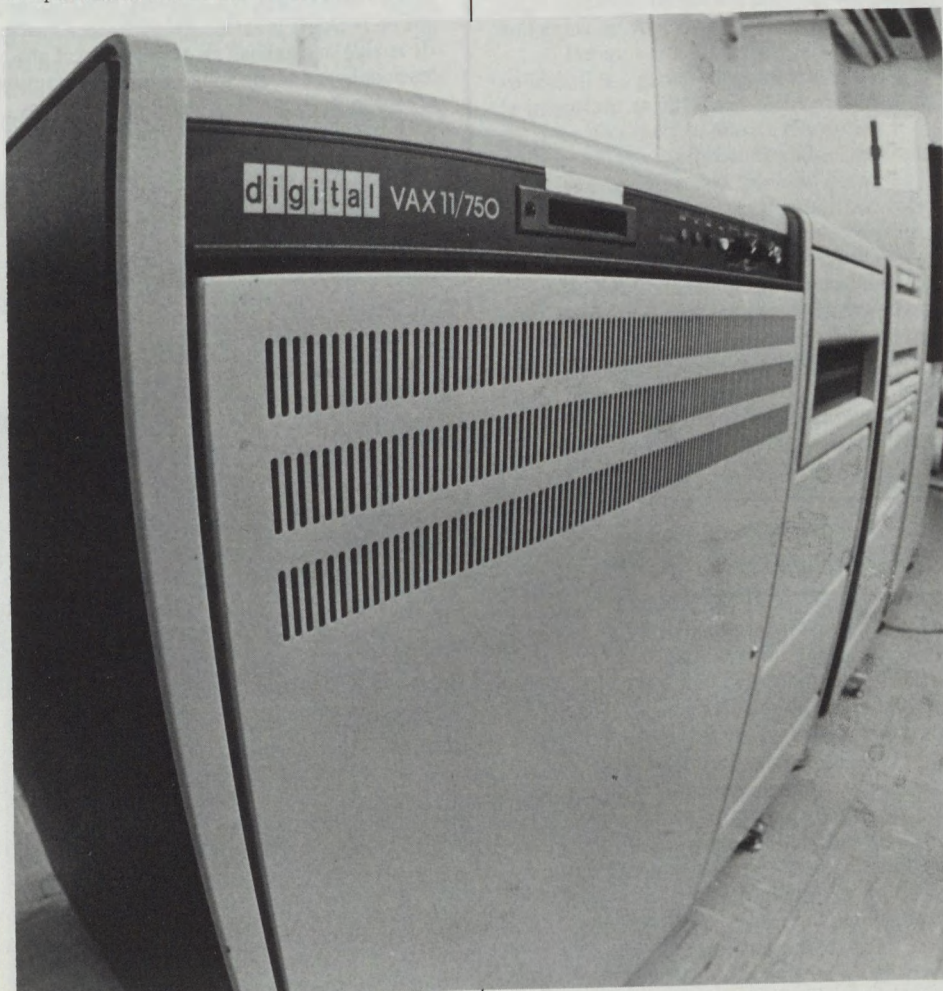
However, a wise clause in the "Middle Ground" policy invited proposals for computing experiments from students and faculty and offered funding to support them. Instantly, a couple of students (see "After Class") proposed a pilot microcomputer network along distributivist lines. That network was barely installed when another group of students proposed purchase of a smaller version of the VAX for computer exploration and communications — to be centrally managed by students. That proposal has yet to be funded, but it is most attractive.

The discounts on microcomputers and mini-grants available to faculty have dotted the campus with personal computers. Christmas may have increased their number.

Because of the success of The Campaign for Wooster, the College had been able to make its computing resources unusually sophisticated.

With the opening of the new Academic Computing Center in Taylor, the Wooster community now has over a hundred microcomputers and a double VAX. At this writing, both centralist and distributivist energies are being devoted to realizing their visions in the extraordinarily rich environment that is now computing at Wooster. It is unlikely that everyone will always be completely satisfied, but, for the moment, all is quiet.

The competing ideas of many, in a controversy that was finally profoundly cooperative, have found expression in a richly varied mix of educational computing facilities. Powered by ideas and magnificently supported by its alumni and friends, Wooster has changed dramatically since Director of Academic Computing Carl Zimmerman '54 first proposed the purchase of a distributive local area network and a central super mini-computer only three years ago. **W**





Rick Stern '86 gets instructions from Coach Tucker during the Homecoming game against Wabash last fall.

Bob Tucker's Coaching Style

by John Finn

Bob Tucker's ('65) sideline demeanor says a great deal about the way he coaches football. It is a study in intensity and concentration. He paces up and down the thin white stripe, stopping periodically to rest his chin on the clipboard wrapped in his arms. His facial expression changes with the events on the field. In pressure situations, his bottom lip draws tightly against his face, producing a grimace. His eyes draw a bead on the action. His mind races on.

Whatever happens on the football field, first-year coach Bob Tucker is involved — from exchanging high fives with a defensive tackle who has just recorded a quarterback sack, to staring through an offensive lineman who has just missed a block.

If winning is not an obsession as he claims, then perfection in execution certainly is.

The 42-year-old Wooster graduate left an outstanding coaching career on the Division I level to spend time with his wife (Lynn Jaffray Tucker '66) and their three children, among other things. But he works as much or more now than he did as defensive coordinator at Ohio State.

Tucker believes firmly that success is the result of self-discipline and hard work, and he uses that approach in developing his coach's doctrine.

"Coaching football is, by nature, a very hard-working profession," says Tucker, "and I think I work as hard as any of my colleagues." But the rookie coach admits things weren't always that way.

Whatever happens on the football field, Bob Tucker is involved.

"I guess it was about my sophomore year in college," he says. "I was a mediocre student, but suddenly I just woke up and realized that I should be more committed to what I was doing. Wooster taught me a lot!"

Tucker credits former football coach Phil Shipe with a major role in molding his character and shaping his work ethic.

"Phil taught me a lot about life, not to mention football," says Tucker. "I hope I can touch my players in the positive fashion he touched me."

His commitment begins some days as early as 7 a.m. and often ends after midnight.

In fact, it is hard to tell the difference between the beginning of Bob Tucker's work week and the end. Things sort of run together.

Sunday might be the toughest day of the week. It begins early with a morning jog, during which time the former Scot center collects his thoughts and prepares himself for the week. Then, at 1 p.m., he meets with his staff to grade films and develop a game plan for the following week. At 4 p.m., he supervises the players' swim, which is designed to loosen knots and tight spots in joints and muscles. Later, there are more meetings to review the past week's mistakes, plan practices, and refine the game plan.

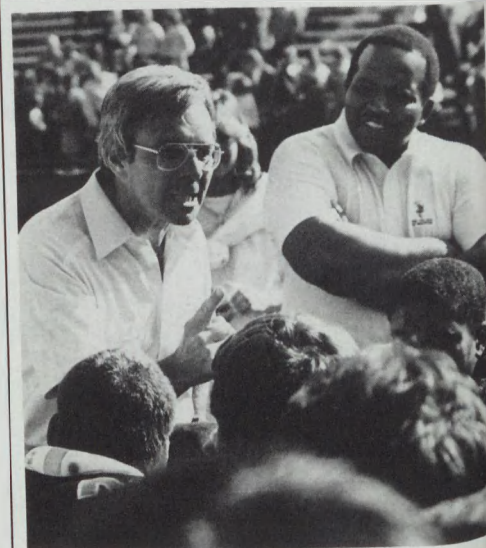
Tucker's meticulous nature results in a particular attention to detail. His approach

His commitment begins some days as early as 7 a.m.

to coaching is much like his approach to life — organized and carefully planned, right down to the minute. This is the cornerstone of his coaching philosophy.

"I work hard to present a logical approach to the players and the assistant coaches," he says. "If they understand what we are trying to do and why we are doing it, then chances are they will carry out their assignments and be successful."

Carry out assignments? That sounds almost militaristic, but it serves to illustrate one of Tucker's greatest strengths as a coach. He is able to establish an atmosphere of professionalism and discipline while maintaining sensitive, open and concerned relationships with his players. It may be this factor more



Tucker's intensity. Assistant Coach Roy Lockett, right.

than any other that enabled the Scots to turn a disastrous 0-9 season into a respectable 3-6.

But there is one more vital aspect of Tucker's coaching philosophy. His approach to coaching is built around the mental aspects of sport. "A positive mental attitude is a prerequisite to success," he says. "If a player believes in himself, he will stay after the job until it is done properly."

FIELD STUDIES

This is especially important in light of last season's 0-9 record. "These guys were down on themselves, and that's understandable," says Tucker.

"A proper mental attitude breeds self-discipline," he added. "Reporting to camp in good physical condition, reporting for practice on time and picking themselves off the deck after some tough losses this season, were indications to me that these players have the right mental attitude."

And what do the players, whose attitude bottomed out after last season, have to say about the new coach?

"I have been by the PEC (Physical Education Center) late at night and I've seen his office light on," says senior rover back Darren Barr. "His commitment is obvious,

and he doesn't expect more from us than he demands of himself."

"He cares," says senior co-captain Rick Stern. "It's obvious to us in everything he does; he cares."

"These guys were down on themselves, and that's understandable."

"Consistent. He's consistent in everything he does," says fellow co-captain Tim Glaser '86. "You always know where he's coming from."

Perhaps the greatest compliment came from sophomore safety Terry Carter, whom

Tucker calls one of the best he's ever coached on any level.

"Coach Tucker is someone I can really relate to," he says. "He put the fun back into the game for me."

Consistency, concern, dedication, motivation, hard work and fun are great coaching goals, but they don't mean much if they do not reach the players. Bob Tucker has found a way to reach inside his players and rekindle their competitive spirit before it was snuffed out by an infectious losing attitude.

What he accomplishes on the field from here on is secondary in importance to what he has done for this group of football players. He has given them the training to be winners in life, and that is the essence of coaching football in Division III. **AW**

Excellence in Volleyball

by John Finn

In 1984, ABC Sports took a gamble. Because of a growing interest in volleyball nationwide, the network decided to air it as much as basketball during the Olympic Games. The gamble paid handsomely to the organization which spent so much time and energy, not to mention money, in its coverage.

Volleyball is a game where mental stamina is as important as physical ability.

"We had an opportunity to showcase volleyball because of the time it was being played," says ABC Director of Sports Information Irv Brodsky. "Our audience response was tremendous, and everyone seemed to be

pleased with our expanded coverage."

Volleyball has come of age. In addition to the increase in media attention, it has become a very popular participation sport. More and more people are playing, watching and enjoying volleyball.

Perhaps more than any other sport, volleyball is a game where mental stamina is as important as physical ability. From the patience necessary to master the game's unique skills to the fortitude and perseverance required to rally back in the final game of a match, volleyball is not a game for those who give up easily. Teams with individuals who are disciplined to overcome adversity often are able to play at a level above an opponent, even if that opponent possesses better individual talent.

Volleyball is also a game where brute

force gives way to style and grace, although power is very much a part of the game.

In many ways, volleyball is a carefully choreographed theatrical production. Order, style and poise are vital to a good performance. But there is an assistant choreographer on this nine-meter-square stage — a ball which travels in hundreds of different directions, sometimes at speeds up to 90 miles an hour, and which can turn an orderly and controlled performance to chaos.

Volleyball players must execute their movements as carefully and consistently as an actor delivering lines, even though there is no script. These players must react to the unpredictability of a ball's movement as an actor responds to a previously-rehearsed cue. Different teams are successful for different reasons, but in almost every case, teams that excel do so because they make the best use of available talent.

College of Wooster coach Bill Skelly '73 was faced with a number of difficult personnel decisions in his first year. To begin with, he had to make up for the loss of middle hitters/blockers Caryn Hommes '85 and Karen Light '85, who accounted for the majority of Wooster's offense last season.

"Control of the middle is one of the most important aspects of the game," he says. "In order to take the best advantage of the ball's unpredictable movements, a quick attack from the middle is easier to execute and more effective than from any other position. Therefore, the defense of the middle also is very important."

Teams that excel do so because they make the best of available talent.

With that in mind, Skelly moved his most talented outside hitter, Tammy Allen '86, into the middle, and he took his tallest player, Dawn Lightel '88, and positioned her in the other middle spot.

"The person in the middle is involved in every play, whether she is hitting, faking an attack, covering an outside hitter or blocking middle or outside," he says. "Because of



Karen Light '85 poised for the ball. Dawn Lightel '88 stands by.

her experience and her ability, we wanted to have Tammy right in the middle of the action."

The most fundamental, and probably the most important skill in volleyball is the forearm pass, which is used to receive a serve or dig an opponent's attack. To become a complete player, the athlete must master passing.

A passer must first follow the ball's movement from the time it leaves the server's or attacker's hand to the time it reaches her position. The passer gently raises her body as the ball comes in contact with the forearms, which are extended well in front of the body. Elbows are locked as the player guides the ball to a teammate.

More than any other player, a setter must be unselfish.

Once the pass has been successfully executed, the set becomes the next most important skill. A good setter is quick and able to react to the ball's erratic movements. The setter anticipates the ball's destination by moving into position. With elbows slightly bent, the setter reaches up to meet the ball, contacting it on the balls of her thumb and first three fingers. Smoothly but forcefully, she thrusts the ball toward a second target — the hitter or spiker — who attempts to drive the ball down or push it around an opponent's block to an open spot on the court.

A setter is much like an offensive lineman in football, for she often plays an integral role in the success of a play but rarely gets credit. More than any other player, a setter must be unselfish.

The spiker and setter must work together to establish timing and rhythm. A spiker needs to be aggressive, anxious to strike the ball forcefully at an opponent. But she must also be smart, looking for ways to exploit the opponent's vulnerability.

Once the ball leaves an attacker's hand, the opponent is on defense. The first, and usually the most effective, method of encumbering an attack is with a block. Once again, timing is the key element. A blocker usually works in concert with another player to form an obstacle for the opponent's attack.

For a block to be successful, a player must keep arms fully extended and tight against her head. Hands should be open with palms parallel to the floor and fingers spread.

Almost anything can happen at this point. The ball can deflect off the block and ricochet back to the attacker's side of the net, or it can graze the block and rebound into the blocker's side of the net. Here is where floor technique can decide the match.

Floor technique is defined as any action which enables a player to get to the playing surface quickly to retrieve a distressed ball and keep it in play. The techniques include diving, rolling and sprawling.

As in any other sport, teams well-drilled and well-disciplined in the fundamental aspects of the game usually outplay opponents who are not.

Just as the success of a theatrical production hinges on the talent of a director and producer, a successful volleyball performance depends upon a knowledgeable coach. Coaches assume a number of different roles, including teacher and motivator. They are judged on their ability to extract the best possible performance from every actor each time the curtain rises.

During the past decade, volleyball has been synonymous with excellence at The College of Wooster. The Scotties have compiled a 257-152 record (.687) since 1973, and this success has spawned several outstanding coaches, including Jani Oder '82, who heads the women's team at Heidelberg College. She believes strongly that coaching has a great deal to do with success in volleyball.

"Coaching is at least 50 percent of excellence in volleyball," she says. "A coach has to be able to do more than teach the game and demonstrate techniques, although that is a very important part of the job. A coach has to instill mental toughness in each player."

Kim Fisher '79 took over the program at Bluffton College in the fall of 1979, and guided the Beavers to a 35-6 record in 1985. The young coach has several strong opinions about excellence in volleyball.

"You have to try to maintain the same emotional level in your players — enthusiastic, but controlled. The way each coach accomplishes this varies. Myself, I guess I have to yell and scream to get my point across, but it works."


Still, Fisher believes that care and concern for players is most important.

"Knowing when to criticize and when to encourage a player is critical to maximizing the player's performance," she says.

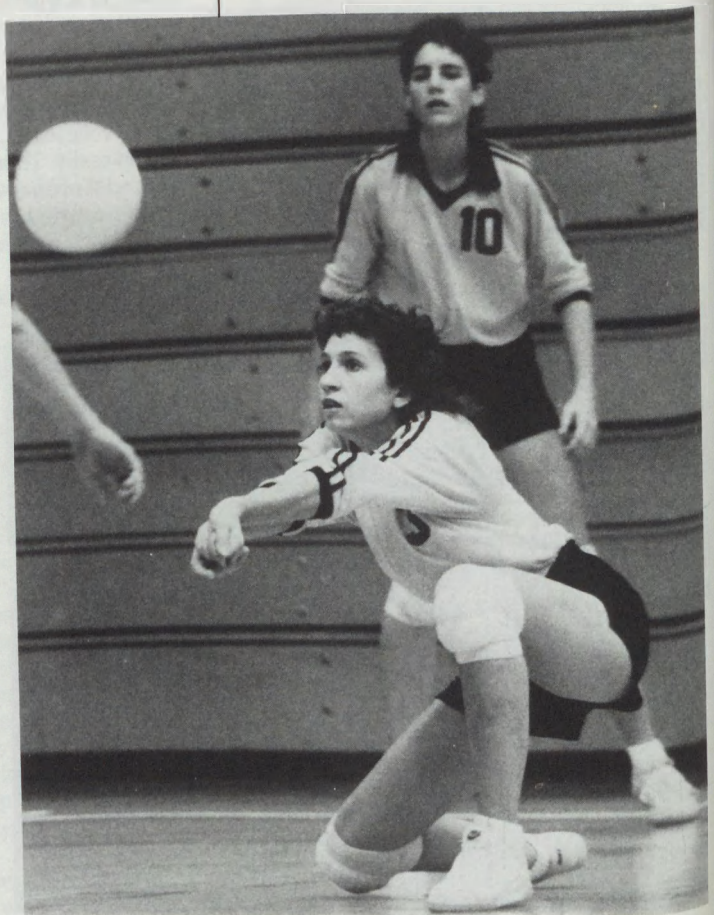
Bill Skelly concurs with Fisher's emphasis on the mental aspects of the game. "Mental complacency can kill you," he says. "Why does one team, which matches up evenly with another team, win? If you assess the situation closely, you will probably find the team that won had some type of mental edge."

"In many respects, volleyball is a game within a game," he adds. "At the same time the total picture is unfolding, players are mentally challenging and testing each other on an individual basis. For example, an aggressive server will pick out a weak receiver on the opposing team and try to exploit that weakness. Or an outside hitter will ask for a quick inside set because she knows an opposing blocker will not react quickly."

Excellence in volleyball is not possible without the proper mix of team continuity and individual execution. "In addition to each player's knowing her responsibility, she must know her teammates intimately: their tendencies, abilities, limitations, emotions," says Skelly. "The six performers who share this stage must defend the small area through an intricate pattern of cooperation. One player alone cannot control. She must work in concert with all the others."

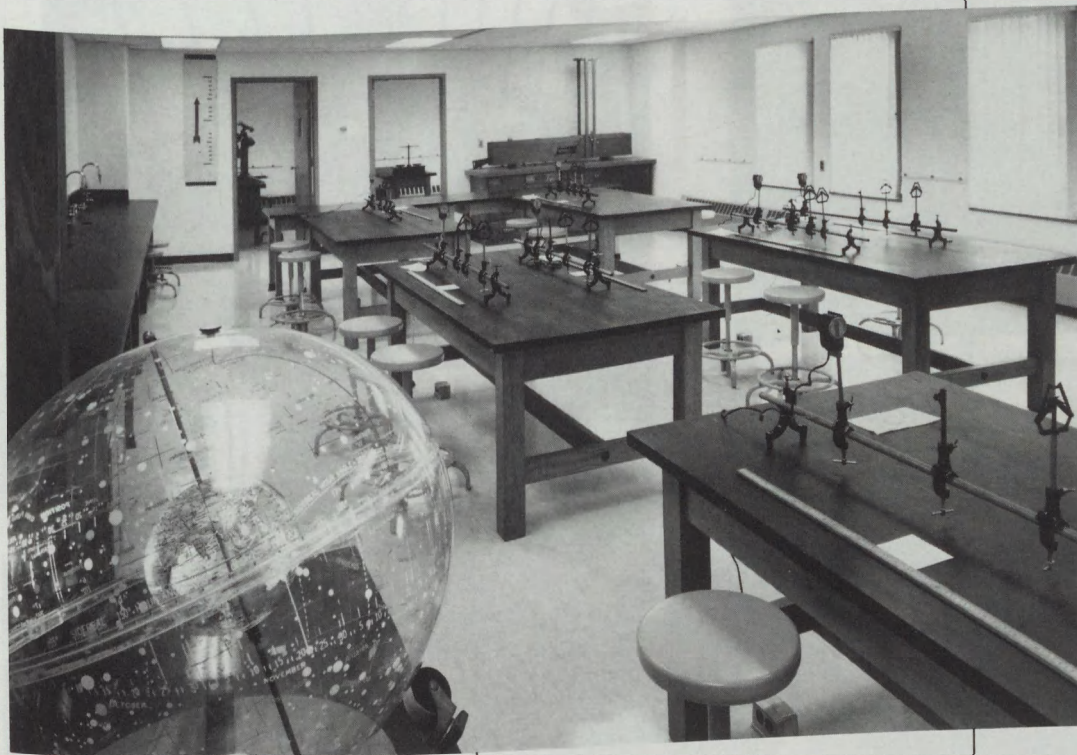
Excellence is finally achieved on the nights when everything falls into place. The performance is crisp, and the audience responds with a curtain call. The real reward, however, is in every team member's sense of ensemble play. 

Dawn Lightel digs one out.



The New Taylor Hall

Photographs by Rob Muir '68



The new general physics lab where the Scott Auditorium stage once was.



As with the Scovel renovation, Bogner Construction Co. preserved the best of the old in its work on Taylor.



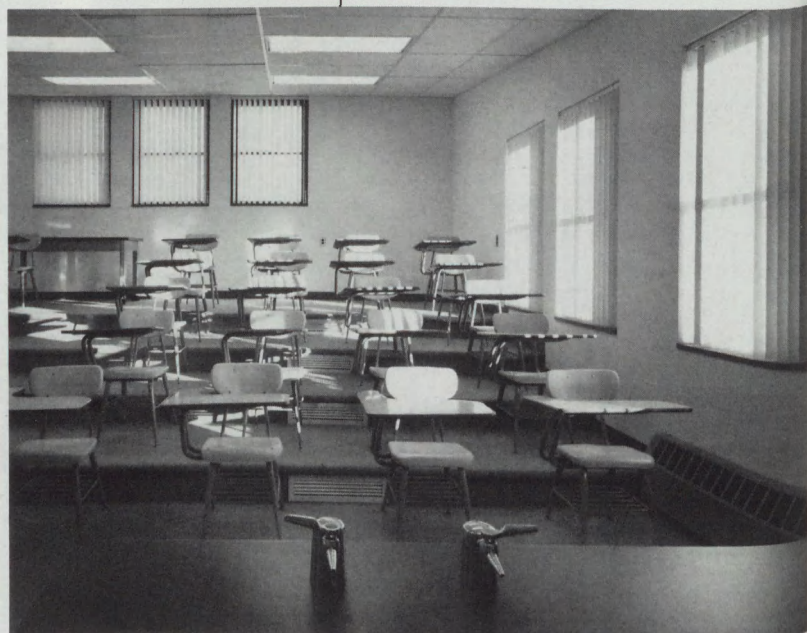
The Snyder lecture room, formerly the west end of Scott Auditorium.



The atrium's circular staircase, descending into what was once the second floor lounge.

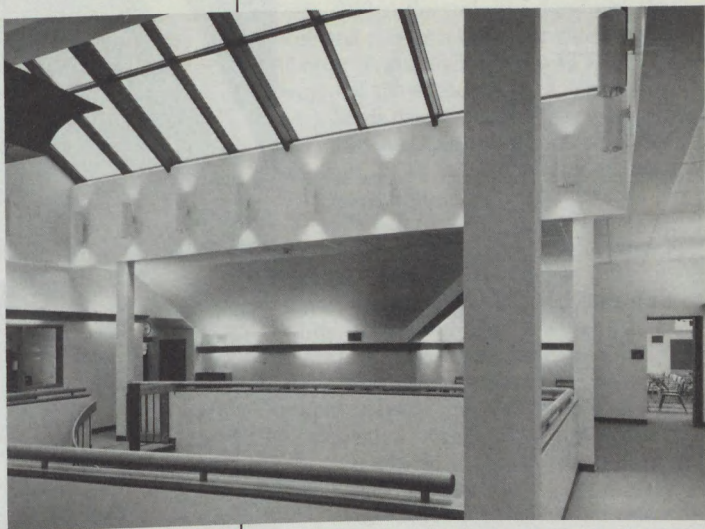


The Timken Computing Center, replacing room 204 and mathematics faculty offices.



The Hoyt physics classroom where lecture room 101 used to be.

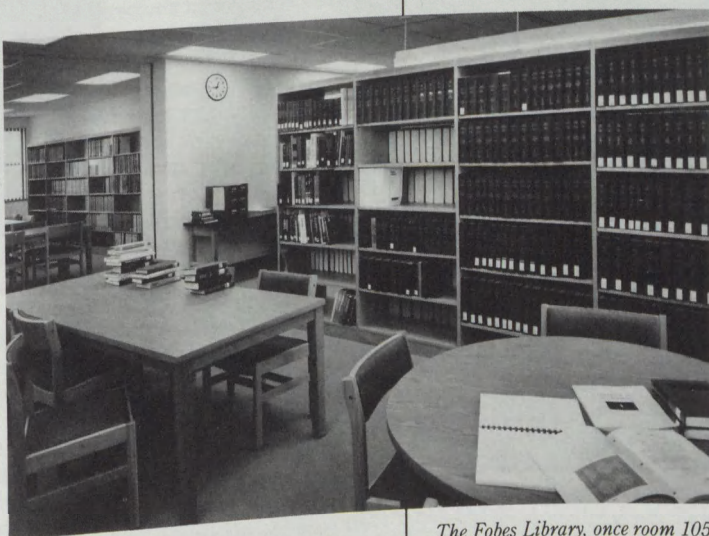
GRAPHICALLY SPEAKING



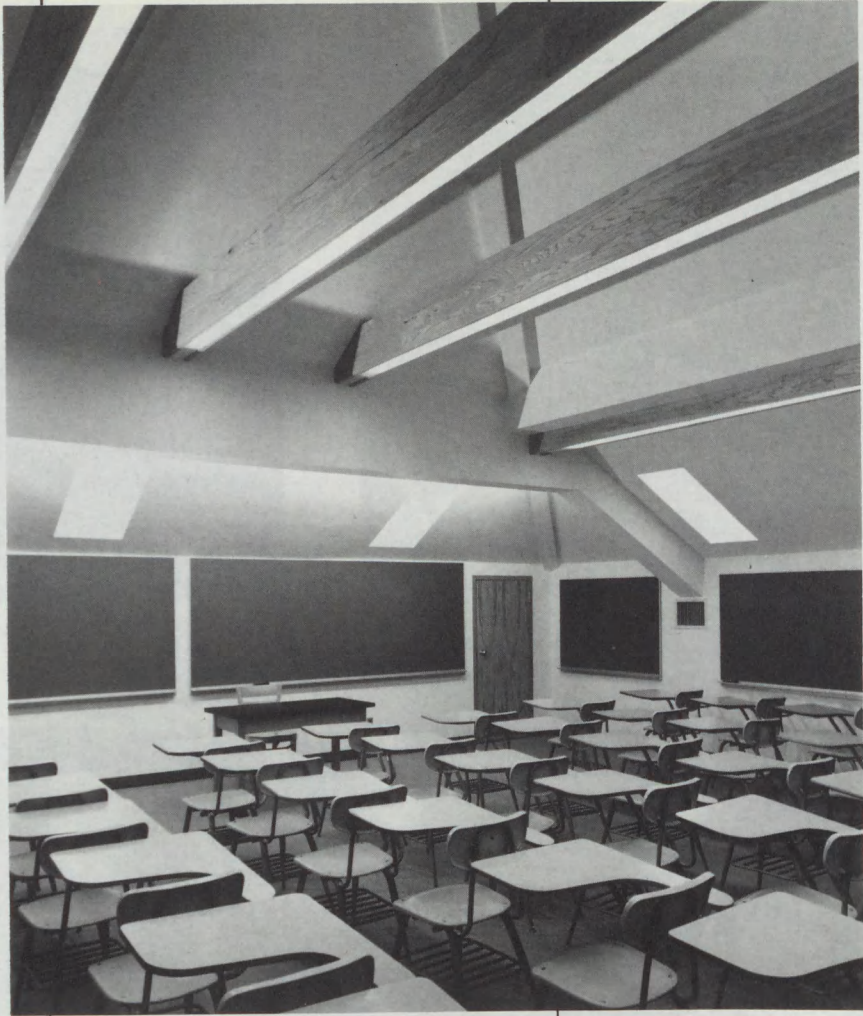
The third floor mezzanine. Classrooms and offices occupy what was once attic storage area.



The Rubbermaid Microcomputer Laboratory replaces mathematics offices and the old central stairwell.



The Fobes Library, once room 105.



A skylit mathematics classroom replaces grimy storage space.



The new stairwell in the addition to Taylor's northeast corner.

TAYLOR HALL

Taylor Hall was built in 1902. Additions were made in 1937 and a major renovation was completed in 1985. The College of Wooster gratefully acknowledges these donors who made substantial gifts toward this renovation.

Edith G. & Edward J. Andrew	Thomas J. Lykot	Richard Savitt
James T. Clarke	Mr. & Mrs. Edward M. McCreight	Russell A. Seibert
Katherine H. Cramet	Ellen Nolte McGrew	Phil C. Shaffer
David S. & Patricia Hawk Clyde	Mr. & Mrs. David A. Mosker	M. Ellen Sherman
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The Lincoln Electric Foundation	

As since its founding, Wooster has been fortunate in its benefactors.



Bill DeLuca's window on Chekhov, as realized by Dale Seeds.

A Window on Chekhov

by Sharon Miller

Unlike most Americans traveling abroad, who revel in soaking up the exotic atmosphere of foreign lands, director Bill DeLuca spent much of a European trip last summer sitting in hotel rooms, gazing out the window.

DeLuca, who this fall joined The College of Wooster's Department of Theatre as a visiting professor, was enthusiastic about the tour of Belgium, Italy and Paris with his wife, Anneke Gough. But he was absorbed — even obsessed — with the first major task of his new job: devising a production of Anton Chekhov's *The Cherry Orchard*, which he had chosen to direct as a college/community production.

Noting reference to a window in the play, about a family in prerevolutionary Russia, DeLuca was drawn to the windows of the European hotels because of a lifelong habit of gazing out of windows to think and because he wanted to explore the window as a key element of the play.

DeLuca sees the window as crucial to understanding Chekhov, whom he thinks directors have commonly misunderstood. He maintains that *The Cherry Orchard* is not merely a grim tragedy about the fading Russian aristocracy, but Chekhov's attempt to show the humor in life and in people's contradictory natures.

To DeLuca, the window is important because "it seems as though people are trying to get a vista on their lives" when they look out of one. "There's also a mirror kind of quality to a window, allowing people to look at themselves."

The characters in the play, however, are never introspective even when their lives are crumbling around them, and Chekhov recognized the humor of that, says DeLuca. The window in the play frames the family cherry orchard, at risk because of unpaid taxes, but the characters never seem to address the problem.

Because of the window's symbolism, DeLuca decided to emphasize it in the set design. During the summer, he and set and lighting designer Dale Seeds, also on the College's theatre faculty, launched an intense collaboration that both enjoyed immensely.

Calling their interaction "the most fun I've had in years," Seeds recalls that on learning the play would be staged here, he fervently hoped he wouldn't be asked to create another realistic set. To Seeds, a realistic set means "you're kind of trapped into reality or reproducing what someone else did. There's no latitude or interpretation."

Seeds says he knew the project would be exciting when DeLuca said he didn't envision any walls in the set.

DeLuca agrees that exchanging ideas inspired creativity: "I had a strong idea, and the idea might spark other ideas. That's a process I just love."

Their collaboration points up DeLuca's philosophy of teamwork in a play rather than imposition of a director's ideas on the cast and crew. "If you're just going to say, 'This is what I want' [to a set designer], you might as well get yourself a carpenter," he says.

Over the summer, thick packets of mail stuffed with sketches of possible set designs shuttled between the two. "In the early stages, the set was much more realistic-looking, with lots of furniture and architectural detail," says Seeds. Piece by piece, unnecessary items were discarded.

Finally it was decided that the set should be as spare as possible to avoid detracting from the actors' lines and to evoke the starkness of the characters' lives.

The window and the trees, on exposed casters, would shift positions throughout the play to reflect the constant flux of life. Further emphasizing change were the materials: wood and steel.

"The wood represents the old way, the 19th century, and steel is the future," says

Seeds. "What I'm trying to show with the wood and plaster is the old aristocracy, the old order. It gradually gives way, is stripped away, and shows steel."

Seeds describes the lighting as "an interesting juxtaposition of romantic kinds of light cues, as for sunsets, to harsh-looking, as in the last scene — very stark and cold."

Though realism was avoided in the sets, the costumes by Kim Vaughn were period clothing, with the women wearing corsets, flowing gowns and hightopped shoes, and the men donning shirts with high, stiff collars and pants tucked into boots.

DeLuca followed his usual pattern of scrupulously studying the script, investigating the motivation of the characters and their actions — and then setting aside his meticulous analysis.

Why take such pains only to chuck the results? DeLuca explains that while such study is crucial to a director's understanding of the work, adhering too closely to preconceived notions about a play's staging could ruin a production.

Warming to a topic he clearly loves, DeLuca animatedly describes his view of the director's role, formed through a combination of instinct and training at the Yale Drama School, where he worked with several renowned directors.



His dark eyes and black hair accentuating an intense manner, DeLuca says he believes a director should stay open to the sometimes unexpected turns an actor may take. He strives to establish the same kind of interchange with actors that he had with Seeds.

DeLuca thinks a director should guide actors, setting the tone for the project, at times serving as a psychologist of sorts. "An actor may be very insecure, and may not like taking direction," he says. "You have to deal with what you're given. I've given Tom a direction by talking to Fred." He maintains

that a director must be flexible, to use to best advantage what's given him.

Persistence and patience are also crucial traits for a director, DeLuca says. "Even if an actor resists, you don't give up. That's why I love the process of it."

But while guiding actors is the director's job, spoonfeeding them is not, DeLuca says. "You could have the answer in the palm of your hand but the actor must make the decision himself," he says.

When auditions reveal the actors' widely varying abilities, DeLuca takes it in stride. He is delighted that a number of community members, some of them local theatre veterans, are trying out; he hopes that student cast members will learn from the more experienced and older locals.

DeLuca and his assistant director wife hold whispered critiques during and after each audition, remarking that one hopeful seemed self-conscious and that another, dressed provocatively in tight skirt and black hose, had chosen an odd outfit to portray a Russian peasant.

As DeLuca had hoped, the cast is a mix of experienced community members and students. Early rehearsals are rocky, but improve with DeLuca's coaching. Patiently, he eases the cast through the script over and over, interrupting to encourage the actors to get inside their characters' emotions and convey them to the audience.

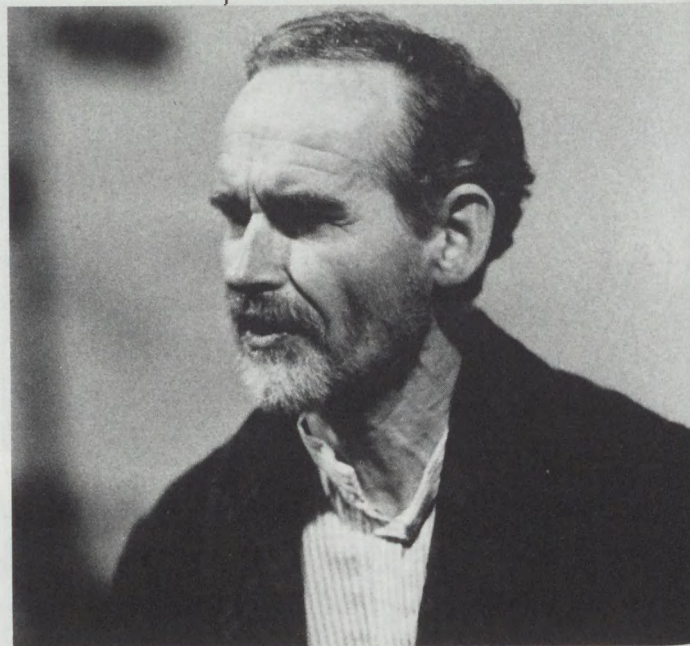
While opposed to over-directing actors, DeLuca is solicitous of them. For instance, so actors can fine-tune their roles, he conducts all rehearsals but the last few behind the stage with the actors' backs to the auditorium, a policy apparently without precedent at Wooster. "Rehearsal is an intimate thing, like giving birth," he explains. "I don't want to be on the stage to do it."

At last, the opening show of the four-night run arrives October 23. The triumph of the evening is the lighting, drawing praise from audience members during a post-performance discussion with DeLuca and cast. Just as Seeds planned, the effect blends the soft and dreamy and the hard and frigid,



Jennifer Dykstra '89, as Anya, listens to Ken Wolf '87, as Trofimov.

Ray McCall, Professor of English, as Firs.



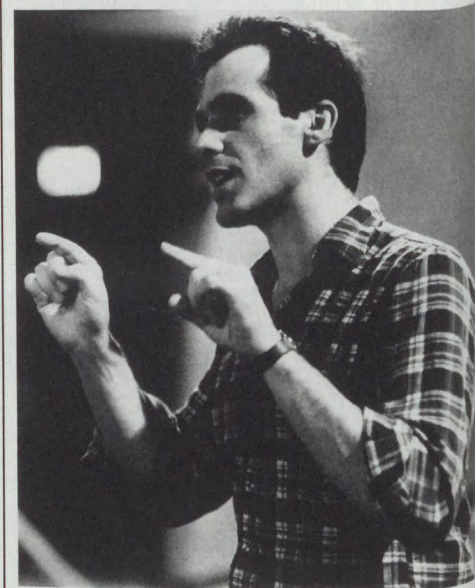
suggesting change in life. The sets are also on the mark, with the crowning touch the window, floating ephemerally above the stage, lending an aura of impermanence.

The expertise of the lead actors, community members Denise Young as Ranevskaya, Steven Price '85 as Lopakhin, David Drumm Jr. as Gayev and College faculty member Ray McCall as Firs, drew praise from DeLuca. Commending the four for their professionalism, DeLuca also had kind words for community member Ken Trunk, who "had such enthusiasm for his role. He'd go in there every night having fun."

Overall, the audience seemed to enjoy the play. As is often the case when presented with a play written at a wholly different time and place, the opening night audience at Freedlander offered mixed reviews. Some were bothered by the uneven level of acting, while others were pleased with the college-community approach which brought such actors as Young, Price, Drumm and McCall to the stage.


DeLuca's reaction to the play was also mixed. He admired the consistent quality of performance throughout the run and the improvement of several actors' work.

"I've come a long way with these kids," he says, noting that at the start, one cast member was so shy "she couldn't talk without blushing. She was almost unintelligible." By opening night, however, she had managed to inject life into the role.



Bill DeLuca, Director.

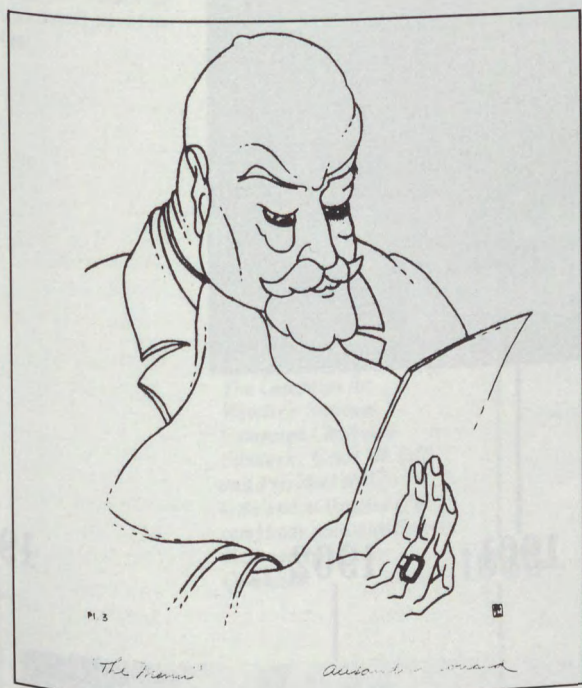
On the downside, DeLuca says the play "just didn't have the lightness that I would have liked." Though frustrated at times with some of the actors' forgetting the adjustments of the previous rehearsal, DeLuca says things eventually started to click.

Even with the frustrations, DeLuca never lost sight of the goal he shared with Dale Seeds: "I wanted to do something different, something daring." And that he did. 

From the John Taylor Arms Collection

A Gift of Ward and Mariam C. Canaday

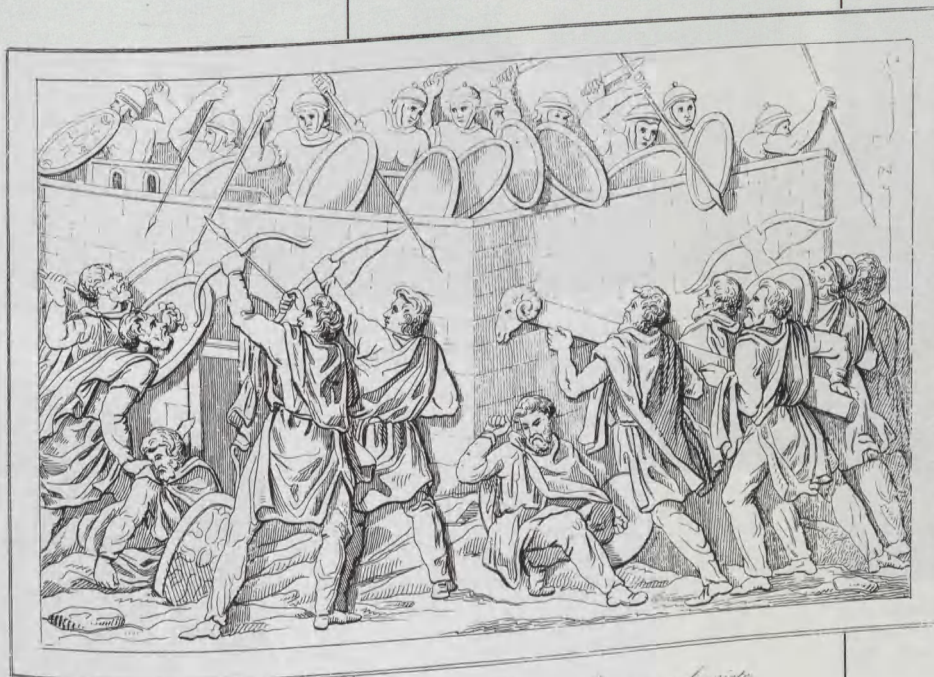
In this issue



Intaglio
Alexander Conrad
Nationality Unknown
"The Menu"
20th Century.



Etching
Frederick Garrison Hall, 1879-1946
American
"Ex Libris: Irving Kent Hall/Helen Macy Hall"
1912.

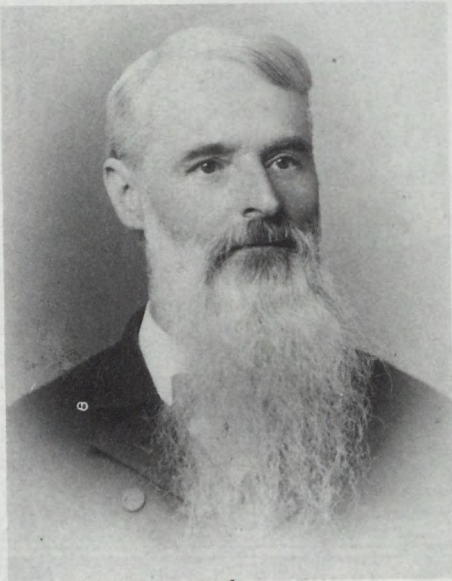


Line Engraving
Unknown Italian
Assalto Dei Germani. Attacco Con L'Ariete.
(Colonna Trajana)
19th Century.

Assalto dei Germani. Attacco con l'ariete
(Colonna Trajana)

Some Taylor Dates

1886 to 1986



A.A.E. Taylor founds
The Post-Graduate and
Wooster Quarterly.

1886



Louis Holden to Andrew
Carnegie: "Yesterday I was
president of a college.
Today I am president of a
hole in the ground."

1901

1902

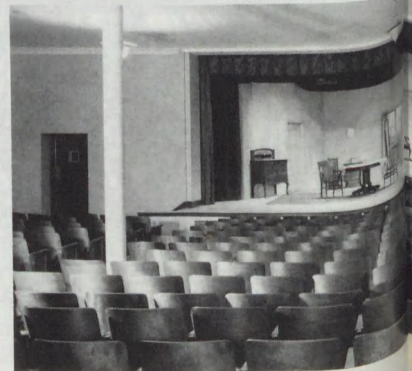
19



Old Main.



The Preparatory
Department Building,
named Taylor Hall.



Scott
with J.
Brutu
(not p
butler.

TIME LINE



Scott Auditorium opens with J.M. Barrie's *Dear Brutus*. J.W. Pocock '38 (not pictured) played the butler.



The Campaign for Wooster's National Campaign Chairman Stanley C. Gault '48 (left) and President Henry Copeland at the door of a completely renovated Scovel Hall, courtesy of the Campaign.

1985



The New Taylor.

1986



The brilliantly successful Campaign for Wooster involved more alumni volunteers than any effort in the College's history.



Lolly Copeland and Melcher Fobes in Taylor Hall's Fobes Library.

"The new Scott Auditorium was hailed as an important step forward in the direction of more adequate equipment."



The Homecoming Scot Band Serenade

Alumni News

by Jeff Todd '83

Join Us!

One thing I've noticed already about Wooster alumni meetings: the happiest people there are those who haven't quite managed to make it before. They are surprised by how much fun it is to meet other Wooster people, known and new, to see a favorite professor, to hear the real story of what's happening on campus — with the chance to ask questions about programs, lifestyles, changes.

We understand as we plan dozens of alumni meetings throughout the country each year that we compete with your commitments to family, career, and other organizations.

So why should you attend a Wooster alumni meeting? The thousands of alumni who have enjoyed them tell us that it's fun to reminisce, to see familiar faces, to meet new people who share a common experience, to learn the latest about what's happening on campus, and to participate in the vigorous intellectual and aesthetic life of an institution that is developing in exciting ways. Participation at alumni meetings is never passive; there are as many questions as answers, as much talking as listening.

Last year, more than 2,000 alumni, parents and friends attended Wooster meetings. As we reach the mid-way point of this year, we can take some pride in the remarkable variety of programs we've shared with several hundred alumni from New York to San Francisco.

Next time you see the familiar letter-head over an invitation to a Wooster meeting,

please think about this: you'll be a Wooster alumnus or alumna about ten times longer than you were a student. As this issue of the *Magazine* demonstrates, we do not stop listening to our students' ideas after they graduate. Your ideas and opinions remain important aspects of the life of the College, just as, we believe, the College can be a continuing source of learning and pleasure for you through our meetings.

Please take a moment to review the events we have planned to see if there's a meeting scheduled in your area in the coming months. We'd love to see you there!

Off-Campus Meetings Scheduled This Winter

- | | |
|-------------|---|
| January 11 | Wooster vs Kenyon (men's basketball)
Gambier, Ohio
Reception after the game |
| January 14 | New Orleans
President Henry Copeland |
| January 18 | Scotspirit Night
Land o' Scots
Wooster |
| February 6 | Cleveland
Professor Fred Cropp |
| February 12 | Chicago
Erie Mills '75
Recital and reception |

- | | |
|-------------|--|
| February 17 | Wooster vs Denison (men's basketball)
Granville, Ohio
Dinner before the game |
| February 23 | Shaker Heights
Dean of the Faculty
Glenn Bucher |
| February 24 | Fort Myers, Florida
Professor Gordon Collins |
| February 25 | Sarasota, Florida
Professor Gordon Collins |
| March 15 | Orlando, Florida
Golf tournament and dinner with Wooster's golf team |

Other Winter and Spring meetings in preparation:

- | | |
|---------------------|----------------------|
| Akron | Houston |
| Albuquerque | Jackson, Mississippi |
| Boston | Los Angeles |
| Canton | Louisville |
| Chautauqua | Memphis |
| Cincinnati | Northern New Jersey |
| Cleveland | Philadelphia |
| Columbus | Phoenix |
| Connecticut | Pittsburgh |
| Dallas | Tucson |
| Dayton/Springfield | Washington |
| Denver | Wilmington |
| Eastern New England | Youngstown |
| Findlay | |

Meeting Notes

San Francisco

San Francisco alumni were treated to a thoroughly elegant evening last fall. It began at The San Francisco Opera's performance of Verdi's *Un Ballo in Maschera* ("A Masked Ball") in which Erie Mills '75 sang the role of Oscar.

After the show, David '61 and Jane Hartley hosted a reception in their home. Mills, whose reputation in the opera world seems to advance by the week, joined us at the reception where she sang several arias.

Hartley was delighted with the opportunity to compare Erie's singing in his living room with her on-stage performance. "She has an extraordinarily delicate, clear voice, almost bell-like," he said. As pleasurable in a different way was the opportunity to "catch up with alumni living in the area, to get a sense of Wooster in the West." (This issue of the *Magazine* owes a lot to another alumna in the San Francisco area; please see page 64.)

The special evening was completed by a brief update on the College from Wooster's President, Henry Copeland.

New York City

On the other side of the country, alumni gathered in New York at the home of Paul Kendall '64 and Sharon Rives. Wooster's

Brian Dykstra offered "The Riches of Rags," his popular keyboard talk on ragtime music illustrated with a multitude of examples.

Boston

In Boston, alumni listened to an organ recital by another Wooster faculty member, Jack Russell, at Methuen Memorial Music Hall. Among the pieces performed were J.S. Bach's "Passacaglia and Fugue in C Minor" and Olivier Messiaen's "Ascension Suite."

Nashville, Portland and Seattle

Recruiting took Hayden Schilling, Robert Critchfield Professor of English History and Dean of Admissions, to Portland and Seattle, where he joined celebrations of the successful Campaign for Wooster, and Nashville, where alumni gathered to talk with him.

"Within a context of national concern for the future of liberal education, Wooster's commitment to the liberal arts has been reaffirmed," said Schilling. "Our curriculum has been strengthened by building upon traditional disciplines, and new majors and programs have been judiciously added to meet changing needs."

Milwaukee

Athletic Director Al Van Wie '52 talked with alumni in the Milwaukee area about the "Wooster Teeter-Totter." The environment at Wooster, said Van Wie, is "much like a teeter-totter, a constant balancing and rebalancing, a daily battle between the traditional and the new. We search constantly for the appropriate balance between academic and co-curricular programs, for the right spending priorities among people, buildings, programs. The teeter-totter is hardly ever balanced."

In the discussion following Van Wie's talk, he and Director of Development Howard Strauch joined a lively discussion of the continuing balancing act at Wooster with alumni, parents and friends.



David and Jane Hartley, hosts of the San Francisco alumni reception, talk with one of their guests.

Kansas City

Robert W. Franck, President of Cummins Mid-America and Wooster Trustee for the past ten years, spoke to alumni in Kansas City. During his talk, Franck mentioned his and his wife Diana's strong believe in private liberal arts colleges and their satisfaction with the education their daughters received at Wooster. The look he offered at the work of the Finance Committee of the Board of Trustees was fascinating, not least because the College's endowment has tripled since 1977.

Raleigh-Durham

Gordon Collins of Wooster's psychology department talked about "Jocks, Steroids and Title IX: Sport in America" in the North Carolina research triangle area. Collins pointed out that "sport in America takes more space in the national press than any other topic," and discussed the powerful role of sport in the social and psychological lives of Americans.

Buffalo

Western New York alumni watched the Fighting Scot Men's Basketball Team (head coach Lu Wims '61) defeat Herbert Lehman University in the Buffalo State Tournament. Victory warmed the post-game reception.

London

Walt Hopkins '66 organized and hosted a meeting for Wooster alumni living in Europe at Dolphin Square, London. Sara L. Patton '67, Vice President for Development, took advantage of a vacation trip to join the group to discuss the success of The Campaign for Wooster and to bring news from campus.

Lakewood-Fairview Park

An informal brunch was held in the home of Betty '28 and Tom '29 McCullough for alumni who live in the Cleveland suburbs of Lakewood and Fairview Park. Following brunch, Grace Tompos, Executive Director of Development, shared news from the campus.

Gambier, Granville and Cleveland

"Scotspirit" was evident at three away football games that alumni attended last fall. The games were against Kenyon College in Gambier, Denison University in Granville and Case Western Reserve University in Cleveland. A rebuilding Wooster team dropped all three games, but there was some good football and abundant hopeful signs on the field and plenty of good people at the post-game receptions where alumni met first-year head football coach Robert Tucker '65.

Jacksonville

President and Mrs. Copeland hosted a dinner for alumni, parents and friends in Jacksonville, Florida at a restaurant owned by Betty Patti Watson '53 and Bill Patti '51. The occasion, as well as the food, rated a minimum of four stars. We can highly recommend "Patti's Restaurant."

Charlotte

Ann and John Kenney '51s opened their home to Wooster alumni in Charlotte, North Carolina, where Grace Tompos provided an update from the campus and all enjoyed the film celebrating the success of The Campaign for Wooster.




Erie Mills '75, left, and Henry Copeland during an elegant evening in San Francisco.

Wooster

Christmas has returned to the campus with the adoption of the semester system, and the Land o' Scots Alumni Club joined students for the first interm evening of caroling since 1968. Jim Bean '47 and Jayne Culp led the singing, accompanied by members of the Scot Band. Following the caroling, students and alumni attended a reception hosted by Henry and Lolly Copeland.

Alumni Weekend 1986

Planning is underway for a spectacular Alumni Weekend on June 5-8. This year, the class of 1936 will celebrate its 50th reunion and will receive special attention throughout the weekend. Also celebrating reunions are 1926, 1931, 1941, 1946, 1951, 1956, 1961, 1966, 1971, 1976 and 1981 as well as the Old Guard. Representatives of each class met on campus in November for the annual Reunion Workshop to plan events for their classes. Alumni from years other than these classes will be welcome, as always, to attend the events planned for the reunion class nearest their date of graduation.

In addition to class events, Alumni Weekend will be filled with special occasions including the 102nd meeting of Wooster's Alumni Association, the President's Reception, an alumni recital, performances by the Ohio Light Opera, department open houses, class luncheons, an alumni choir, the annual alumni run and faculty lectures. New to Alumni Weekend will be an alumni art exhibition featuring a variety of successful Wooster alumni artists. Alumni Weekend fills four days that should not be missed! 

Lessons from the Past: The Worlds of 1886 and 1986

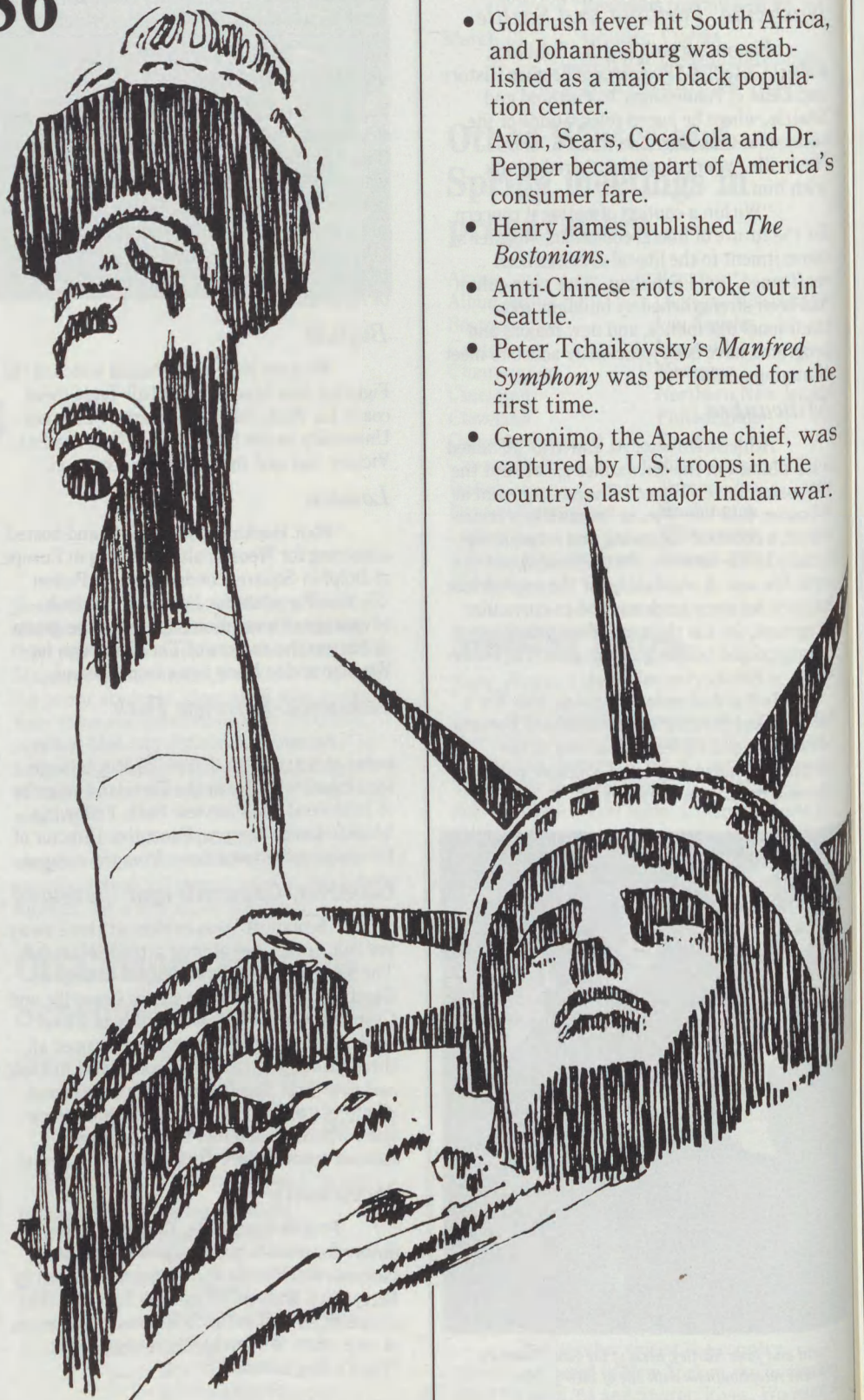
*Summer of '86:
June 8-14, 1986*

What can we find in the world of 1886 that helps our understanding of what we experience, read about and hope to change in the world of 1986?

A century later, we can turn to 1886 to find the beginnings of current international relations, American popular culture, business and labor, world literature, music and art, and the effects of science on society. What have we learned in one hundred years? Can we learn anything that will help us face the future by examining together the events of 1886 and 1986?

Current members of the College faculty, alumni experts and others will explore these topics with the fortunate alumni, parents, and friends who come to this seven-day program. The extremely popular week challenges you intellectually in a relaxing atmosphere. You can enjoy cultural programs such as the nationally acclaimed Ohio Light Opera and recreational activities such as swimming, golf and tennis.

We hope you will come to campus for this outstanding opportunity! Complete information about the week will be mailed to alumni, parents and friends in March, but feel free to call the Alumni House now with questions: 1-800-362-7386 (Ohio) or 1-800-321-9885 (out of Ohio).



In 1886:

- The Statue of Liberty was dedicated.
- Grover Cleveland was President of the United States.
- The American Federation of Labor was founded.
- Henri Rousseau showed his "Carnaval du Soir."
- Goldrush fever hit South Africa, and Johannesburg was established as a major black population center.
- Avon, Sears, Coca-Cola and Dr. Pepper became part of America's consumer fare.
- Henry James published *The Bostonians*.
- Anti-Chinese riots broke out in Seattle.
- Peter Tchaikovsky's *Manfred Symphony* was performed for the first time.
- Geronimo, the Apache chief, was captured by U.S. troops in the country's last major Indian war.

Band and Chorus Tours

The Scot Band Tour

- Saturday, March 8 Market Street Presbyterian Church
Lima, Ohio
7:30 p.m.
- Sunday, March 9 Christ Presbyterian Church
Toledo, Ohio
7:00 p.m.
- Monday, March 10 First Presbyterian Church
Saginaw, Michigan
7:30 p.m.
- Tuesday, March 11 First Presbyterian Church
Birmingham, Michigan
8:00 p.m.
- Wednesday, March 12 Memorial Presbyterian Church
Midland, Michigan
7:30 p.m.
- Friday, March 14 Timothy Eaton Memorial Church
Toronto, Ontario, Canada
8:00 p.m.
- Saturday, March 15 First Presbyterian Church
Lockport, New York
7:30 p.m.
- Sunday, March 16 Third Presbyterian Church
Rochester, New York
3:00 p.m.
- Monday, March 17 Wayside Presbyterian Church
Erie, Pennsylvania
8:00 p.m.



The Wooster Chorus Tour

- Friday, March 7 Second Presbyterian Church
Louisville, Kentucky
8:00 p.m.
- Sunday, March 9 Druid Hills Presbyterian Church
Atlanta, Georgia
11:00 a.m.
- Wilmington Island Presbyterian Church
Savannah, Georgia
7:30 p.m.
- Monday, March 10 First Presbyterian Church
Vero Beach, Florida
8:00 p.m.
- Wednesday, March 12 First Presbyterian Church
Palm Beach, Florida
7:00 p.m.
- Thursday, March 13 First Presbyterian Church
Ft. Lauderdale, Florida
Morning Service
- Friday, March 14 First Presbyterian Church
Ft. Lauderdale, Florida
7:30 p.m.
- Saturday, March 15 Moorings Presbyterian Church
Naples, Florida
8:00 p.m.
- Sunday, March 16 Moorings Presbyterian Church
Naples, Florida
Morning Service
- Sunday, March 16 Faith Presbyterian Church
Cape Coral, Florida
7:00 p.m.
- Monday, March 17 Riverside Presbyterian Church
Jacksonville, Florida
8:00 p.m.
- Tuesday, March 18 Davidson College Presbyterian Church
Davidson, North Carolina
7:30 p.m.



1985

Alumni Association Officers & Board Members 1985-86

President: Carol Young Drummond '62
7267 N. Bridge Lane, Milwaukee, WI 53217
President-Elect: Solomon Oliver, Jr. '69
1644 Crest Rd., Cleveland, OH 44121

Class of 1986

Kingsley W. Hamilton '33
4816 Tilden St. NW, Washington, D.C. 20016
John W. Kneen '74**
1455 Sandburg, Apt. 1501, Chicago, IL 60610
Margaret Stockdale McCoy '39*
Sherwood Oaks, 100 Norman Dr., Box 308, Mars, PA 16046
Kenneth S. McHargh '70*
3837 Severn Rd., Cleveland Hgts., OH 44118
Jean Smeltz Ricksecker '42
1135 Bucyrus Rd., Galion, OH 44833
James F. Traer '60
3700 Faculty Dr., Lynchburg, VA 24501
Ronald C. Whitaker '69**
FMC Corporation, 4800 East River Rd., Minneapolis, MN 55421

Class of 1987

Thomas T. Boyne '52**
7360 Julia Drive, North Royalton, OH 44133
Mary Lou Chalfant '42
4510 W. 228th Street, Fairview Park, OH 44126
John O. Clay '43*
2123 Pargoud Blvd., Monroe, LA 71201
Cheryl Turner Green '82**
30 Carter Circle, Apt. 1, Boardman, OH 44512
Paul L. Kendall '64*
670 West End Avenue, Apt 3-D, New York, NY 10025
Henry C. Miller '44
1253 Roberto Lane, Los Angeles, CA 90024
Anne Takehara Wilson '73
811 St. Francis Lane, Houston, TX 77079

Class of 1988

Patricia Workman Foxx '46*
1417 Caroll Brown Way, West Chester, PA 19380
Diane Limbird Hamburger '71
224 S. Oak Park Ave., Oak Park, IL 60302
Joan Blanchard Mosher '78**
599 Country Way, North Scituate, MA 02060
Carol Stromberg Pancoast '64
28900 Osborn Road, Bay Village, OH 44140
Milton M. Ronsheim '43
417 Oakwood Drive, Cadiz, OH 43907
Raymond D. Scott '59**
938 Ligorio Avenue, Cincinnati, OH 45218
Thomas A. Trantum '66*
Gulf and Mississippi Railroad
P.O. Box 1248
Columbus, MS 39703

*Alumni Elected Member College Board
of Trustees

**Appointed Member

With the help of special correspondent **Karin Craven**, your secretary has managed to assemble a report. With an air of good tidings and cheer, let us proceed.

Mike Mann, the original Misfit of Science, left NBC the first of December and assumed a position with Bloomingdales. Michael's main responsibility was inhaling helium and performing as a giant balloon in the New Year's Day parade.

Jane Budd, insurer of the world, is doing quite well in that area of the world we call Northeast Ohio.

Steve Price, intern to the stars, recently was privileged to have cable installed in his Wayne County apartment, where he relaxes after a hard day at work by watching Australian Rules Bovine Impersonation on ESPN.

Forging new frontiers in Duke University's psychology department, **Dale Grubb** has trained mice to fill his tank at the self-serve gas station and pour milk on his pre-sweetened cereal. That boy is going places!

Jonathan Huener, our man in Germany, has assumed the role of ecumenical junior executive with the style we expect. He now has an address to which you may correspond: Schopenhauerstrasse 53-55, 1000 Berlin 38, West Germany.

To follow the international path, **Myra Vignovic** is travelling, studying, and learning the language in Yugoslavia. Address: c/o Loncar, Mihanoviceva 16, 41000 Zagreb, Yugoslavia.

Debbie Suci is carrying the liberal arts banner to the far corners of the world, including Rensselaer Polytechnic Institute in Troy, NY. Her area of study is archaeology, and she has recently started working for the Albany New York State Museum, researching and surveying. Address: Colonial Apartments, B-107, 2358 Burdett Ave., Troy, NY 12180.

Karen Sapio is immersed in her first semester at Union Theological Seminary in New York City. Besides course work, she is becoming involved with several committees of the Presbyterian Church, whose offices are across the street from Union.

Betsy Deeter is also working and living in New York state. She is with the Catholic Service Corps of Syracuse. The duties of her position are many, but a main emphasis includes the area of lobbying activities for women and children. Address: 129 East Bissell, Syracuse, NY 13203.

On the other end of these United States is **Beth Mabel**. She is working for the Shalom Center in Tacoma, WA. Beth has a pile of administrative and programmatic responsibilities, including interaction with local churches, fund raising, and leading peace-making activities. Write to Beth at 1944 Sunset Dr., West, Tacoma, WA 98466.

Karin Craven is in Chicago at McCormick Theological Seminary. If one can catch up with her long enough to have a conversation, Karin will state that she is "too busy." She likes the McCormick community, and is also enjoying taking classes at the Catholic Theological Union and the U of Chicago. Address: 5555 South Woodlawn Ave., Chicago, IL 60637.

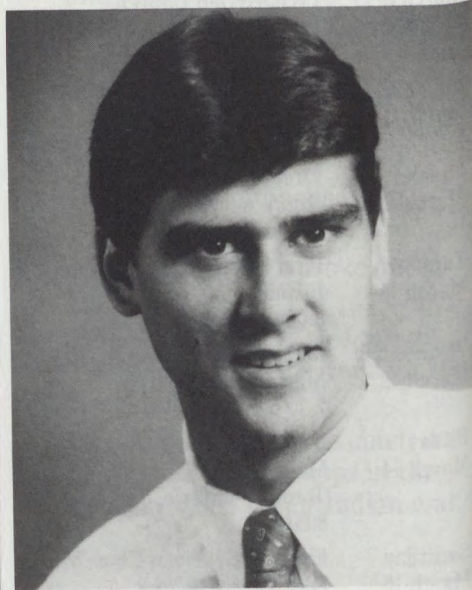
Kathy Whalen is doing well and enjoying southern living (1313 21st Ave., S., #1007, Nashville, TN 37212). She sends news that **Cindy Nicely** is working for a bank and lives at 1708 Gale Lane, Nashville, TN 37212. Kathy says that **Todd Duchene** is doing well at Michigan and can be reached at The Lawyer's Club, 551 South State St., Ann Arbor, MI 48104. She also writes that **Charley Partee** is studying electrical engineering at Carnegie Mellon and **Diane**

Weisz, living in Erie, PA, is directing a shelter for women in crisis under the auspices of a church program.

More classmates on the move: **Laura Davis**, **Cynthia Newcomer**, and **Susan Propater** are living at 2712 Lindell St., Silver Spring, MD 20902.

If you are in the Boston area, **Barbara Tubman** would welcome a call (617-789-4969). She lives in Brighton, MA and works as a mutual funds trading representative for Fidelity Investments.

Congratulations to **Gary Peterson** who has been named a quality control line supervisor by The J. M. Smucker Company and works at the company's main plant in Orrville, Ohio.



Gary Peterson

John Stapleton has joined the staff of the John Wood Insurance Agency, Inc., in Georgetown, OH. His concentration is in the area of life and health insurance. John is also taking computer and business courses in night classes.

William Pazos is studying for an M.A. at the Thunderbird campus of American Graduate School of International Management in Glendale, AZ.

Your secretary is slowly adjusting to graduate theological school, happily becoming involved in many areas of seminary life, and studying Hebrew with the tenacity of fluffy rice. All is grace. I do need to hear from many more members of the non-parallel class of 1985. As the French say, writez-moi.

Secretary: **John Wilkinson**, McCormick Seminary, 5555 S. Woodlawn Ave., Chicago, IL 60637.

1984

As Huey Lewis might say, you've got to beware of the "power of love!" I have just returned from Wooster's 67th annual homecoming only to find out that love is on the loose again!

Announcing engagements are **Ann Masterson** and **Randy Anderson**, as well as **Sarah Purdum** and **Steve Ehrlich**. It was learned also that Sarah and Steve are planning to be wed by Wooster's own Jim Bean. Congratulations to both couples.

Speaking of Jim Bean '42, I'm sure he would be very proud to find out that **Jennifer Haims** is putting her language skills to work for Perrier out in the Big Apple. Keep up the good work Jennifer.

The power of love is indeed wonderful. Two Wooster couples currently experiencing one of its most powerful expressions are **Jenny** and **Dave Riley**

CLASS NOTES

and **Gary and Pam Snider Ferner**. Both couples are expecting in the very near future. Pam and Gary are anticipating twins. I tried to warn you guys about taking too many vitamins!

Dave Ulfelder, currently working on his M.A. degree in education at Lesley College, hopes that he will be able to share much of what he has learned with eager youths as early as next year. Drop Dave a line at Box 473, 47 Oxford St., Cambridge, MA 02138 for details.

Sharing the neighborhood with Dave (Gee, I'm starting to sound like Mr. Rogers.) are **Drew Ward** and **Kirsten Searle**. Drew is continuing his work with MIT in hopes of obtaining a Masters in management while Kirsten is working in the University's Communications Office of Resource Development. Both seem to be doing very well. Drop them a line at 1104 Westgate, Cambridge, MA 02139 for more information.

Also in the education field is the one and only **John "Quincy" Adams**. John, now attending the U of Cincinnati, is working with the handicapped trying to make their lives just a bit brighter. Quincy deserves a lot of credit and you can tell him so by writing to 2829 Lafueille Ave., Apt. 1, Cincinnati, OH 45211.

Also working hard in Cincinnati is **Dave Kerr**. Dave, also attending the U of Cincinnati, is currently working on a Masters in electrical engineering. The work is tough, but Dave appears to be hanging in there! Contact Dave at 508 Riddle Rd., Apt. 17, Cincinnati, OH 45220.

Turning to the sports world we find that our ole WCWS sports announcer, **Dave Bryan**, is now the sports information director at Thiel College. For more information, contact Dave at P.O. Box 1611, Greenville, PA 16125.

We also have word in tonight from **Sharon Moss**, who reports that both she and **Lisa Young** graduated from Case Western Reserve in May receiving their Masters in social work. Sharon, who received her certificate in gerontology, now resides at 865 S. First St., 4, Ann Arbor, MI 48103, where she is putting her knowledge to work for a local hospital and dialysis center. Lisa, on the other hand, is putting her skills to work at University Hospitals of Cleveland as an oncology social worker.

Making her presence known in the graduate world is **Lisa Terrett**. Lisa, currently involved in biological research, recently had a paper published and was asked to give a subsequent seminar in Chicago. Great job Lisa!

The University of the Pacific in Stockton, CA has a new assistant director of admissions — **Janet Schellhase**.

In 1983 **Desiree Leo** went on the Urban Studies program to Portland and found the geology too fascinating to leave. She graduated from Lewis & Clark and is now a social worker/paralegal in the public defender's office.

Chip and Beth Freeland Shilling have a new address: 5212 S. Lewis, Apt. 1023, Tulsa, OK 74105. Beth has joined Touche Ross & Co., an international accounting and consulting firm, as practice development coordinator for the Tulsa office. In her new position, she will assist in developing in-depth marketing plans for the Tulsa office and will work closely with the partners to expand the firm's comprehensive communication program.

After graduate work at Johns Hopkins, **Melinda Harley** is now working in cytotechnology for Henry Ford Hospital in Detroit.

The final report for the evening comes to us from our overseas desk where we find **Cheryl Lower** roaming the hills of Thailand. Cheryl, who now finds herself without modern conveniences and forced to learn another language, says that she is

having the time of her life. We're all proud of you Cheryl — keep up the good work!

Other bits of news include **Anne Jorgensen's** decision to work for a German pharmaceutical firm in Washington, D.C., and **Joe Piccotti's** continued silence. It is also rumored that **Jon Schmittgen** recently became hitched — another one bites the dust.

That concludes tonight's report. I always enjoy reminiscing with you, but I now find it's time to go "Back to the Future."

Secretary: **Ben LeVan**, 32-C Hobbes Lane, Rochester, NY 14624.

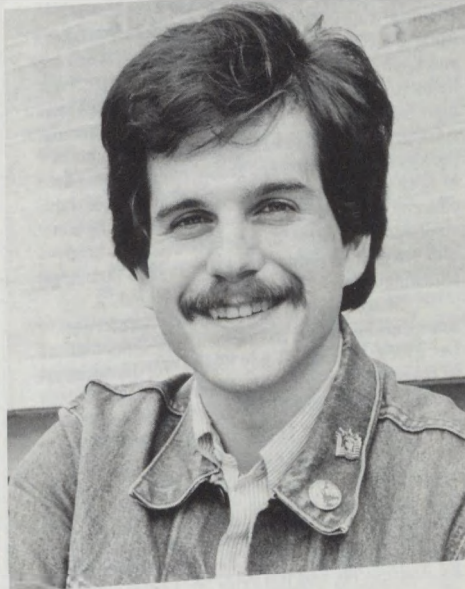
1 9 8 3

This summer **Mary Neagoy** left *Rolling Stone*, where she had worked as publicity manager since graduation. After a brief break from the world of magazine publicity, Mary's back in New York, as publicity director at *Ms.* magazine.

Sandy Galicki '84 and **Mark Ferguson** were married in Cleveland on Aug. 2, 1985. There isn't enough space to list all Woosterites present but suffice it to say that it was a definite Beta reunion. When asked her thoughts on the wedding, Sandy's response was "no comment." Their attendants included **Bill "Lank" Price '82**, **Tim Belch '82**, **Jeff "Connan" Connelly**, **Steve Ferguson '85**, **Vanessa Hilliard-Genger '84**, **Barb Benson '84**, **Val Perkins '84**.

Jackie Addis '84 and **Bob Sullivan** were married in Boston on Aug. 17, 1985. **Edith McGandy**, **Mary Fenderson '84** and **Dan Howes** served as attendants. Also present were **Anne Jorgensen '84** just back from Germany, **Lee Renner**, and **Angela Hubler '85**.

Jean Bolton and **Jeff Todd** (our new Director of Alumni Relations — congrats Todd) were married in Canton on Oct. 26, 1985. Attendants **Jennie Saliers**, **Betsy Perkins** and **Kevin Remaley** tried to keep Jean and Jeff calm in the days before. Other Woosterites present were Dr. and Mrs. Rea, **Wendy** and **Kris Shoger**, **Paul Cochran**, **Joan Stafford**, **Lori**



Glenn Becker

Wittig, **Mike Phelps '84**, and **Sue Dodenhoff '84**. Many friends and members of the wedding sacrificed their Saturday evening to decorate Jean and Jeff's apartment especially for the happy couple's return.

Speaking of **Kevin Remaley**, his job has put "Red" in Denver for one year starting Nov., 1985. If anyone has any friends for Kevin to meet out there,

please don't hesitate to contact him. Kevin needs some ski partners.

During her cross-country job-search **Sally Widman** found that Wooster is absolutely everywhere! "I appreciate all the support and hospitality of those I met and visited." She is now happily employed as a project geologist at ERM-Midwest (Environmental Resources Management), a hydrogeological and engineering consulting firm in Columbus, OH. Any news from friends and colleagues is welcome. Address: 237-D Mayfair Blvd., Columbus, OH 43213.

Glenn Becker is studying for an M.A. degree of fine arts at Indiana U. He is one of six graduate students to be named Norvelle Scholars for the 1985-86 academic year. An acting student at the university, Glenn has appeared with the IU Theater in several productions including *A Doll House*, *The Good Woman of Setzuan*, and *Sisterly Feelings*. Secretary: **Lisabeth Beatty**, 1178 Foxhound Ct., McLean, VA 22101.

1 9 8 2

After graduation from Wooster, **Tara Mahlerwein Martin** taught German at Napoleon High School in Ohio for one year. She and **David '83** received their M.A. degrees from the U of Michigan; Tara in Public Policy and David in Industrial Hygiene, plus an M.S. in occupational engineering. Currently, David is an industrial hygienist for Upjohn Company in Michigan.

Paul Miller is involved in computerized research for a Pennsylvania investment management firm. Paul says he is enjoying community theatre.

We have received news that **Dawn Marie Krause** is an attorney in Boca Raton, FL, and **Dorothy Wickert Barrett** is living in Annandale, VA.

Jerry Thompson is currently attending Christian Theological Seminary in Indianapolis, IN, and serving as student pastor of a church in Martinsville, Indiana. Jerry received his M.A. degree in English literature from Indiana U.

Willie "Canook" Beattie reports that he married **Joanne** on Sept. 14, 1985. **Wes Geer '81** and **George Hasapes** were at the wedding. **Willie**, **Joanne**, and her son **Richard** live in Scarborough, a suburb of Toronto. Willie keeps busy as a firefighter, used car dealer, and hockey referee. If you're ever in the area look up the Beatties at: 54 Heaslip Terrace, Scarborough, Ontario, Canada, MIT1W9. Willie wants to know: "Where is **Munzert**?"

After receiving an M.A. degree in college student personnel administration from Bowling Green, **Lee Svete** went for broke — he landed a job and got married. He is a career counselor and assistant basketball coach at Clarkson U, where his wife, **Jill**, is the assistant director of financial aid. He wants to hear from Wooster friends. Address: 12 Cottage St., Potsdam, NY 13676.

On Oct. 26 **Rick Andrew** completed his second Ironman triathlon. Rick improved his 1984 place of seventy-six by moving up to a final placing of thirty-five. His years of swimming at Wooster paid off as he was the fifteenth competitor out of the two-and-one-half mile swim. **Diane Buchanan-Andrew** says Rick will go for it one more time in 1987. Good luck, Rick.

Secretaries: **Anne Howes**, 310H Patriot Lane, Williamsburg, VA 23185; **Barb Brown**, 359 Ludlow, Apt. 33, Cincinnati, OH 45220; **Kim Thompson**, 3126 Potshop Rd., Norristown, PA 19403.

CLASS NOTES

1981

After receiving his Doctor of Optometry degree from Ohio State U, **David Sterna** established private practice in his hometown of Amherst, Ohio. In September he attended the wedding of **Tom Litzler** and **Ann Lavernick** in Ann Arbor, MI.

Another doctor in the class is **Richard Siegel**. He has joined two other colleagues in the practice of dentistry in Columbus, OH.

A soon-to-be doctor is **Eric Pearson** who is a medical student in South Carolina.

Mary Le Sourd writes, "I am now living a very peaceful existence in St. Paul, MN, enjoying the beautiful seasons of the upper midwest. I share an apartment with a roommate and two felines." Mary really enjoys being a pre-school teacher. She would like to hear from friends (1857 Carroll Ave., 3, St. Paul, MN 55104).

Pete and **Anne Burke Morgan** have just bought their first house. They are located at 110 26th Ave., N., St. Petersburg, FL 33704.

Congratulations to **Loraine Wilder** and **Craig Powell**, who were married on Nov. 23, 1985. She is the assistant director of advertising and promotion for Urban Outfitters in Philadelphia. Craig is a senior at Jefferson Medical College and an Ensign in the U.S. Naval Reserve Medical Corps. Loraine writes that **Anne Kasserman Rodgers** is living in Cleveland and employed by a bank.

Secretaries: **Lisa Seward**, 200 Atlee Rd., Wayne, PA 19087; **Jeffrey Earle**, 626 Emich Dr., Kent, OH 44240.

1980

Oney Fitzpatrick graduated from the U of Dayton in July, 1985, with an M.A. in developmental psychology. Oney then moved to the U of Houston to begin work on his Ph.D. in the same field. Address: 5540 Glenmont, Apt. 10, Houston, TX 77081.

After five years of working with Hood Sailmakers in Connecticut, **Jeff Eng** has opened a new sail loft for Hood in North Carolina. Friends are urged to send a note to: P.O. Box 1039, Atlantic Beach, NC 28512.

Jody Traves-Amacher is working as a respiratory therapist and instructs biology at a local college in Lewiston, ME. Jody received her M.A. in wildlife biology from Northern Michigan U. She married **Michael Amacher**, a biologist, in August, 1985. Their address: Route 1, Box 115, New Gloucester, ME 04260.

Peggy Brannigan, who attended the College for two years before transferring to George Washington U, has written that she received her B.A. in international affairs and recently entered the MBA program at Stanford U in Palo Alto, CA. Peggy says that she is enjoying the northern California life. Address: 3101 Middlefield Rd., 18, Palo Alto, CA 94306.

Kate and **Mike Riffie** have purchased a home in Worthington, OH at 563 Meadowway Park. Mike is teaching and coaching in the Columbus city school district, while Kate is an academic counselor for Ohio State.

George Anderson has moved to Henderson, KY to begin a new job with Firestone Tire Company. He is working in the metal products division as a marketing analyst. George's new address: Lakewood Court, Apt. 2E, 2460 Wood Dr., Henderson, KY 42420.

Secretary: **Sam Steimel**, 101 South Clay St., Millersburg, OH 44654.

1979

Lynn Keeling writes that she married **Brett Scott** on Jan. 5, 1985. Woosterites attending the wedding were: **Etta Carter Hokes '81** (matron of honor), **Greg '78** and **Carole Hirsch Wehmeyer**, **Beth Farnsworth Englehart '80**, **Miriam Crissey**, and **Lynda Jolly Bennett**. Scott is an engineering writer at Goodyear Aerospace while attending Akron U for an electronics degree and Lynn is an advertising account executive at the *Akron Beacon Journal*. Scott and Lynn live at 1344 Steese Rd., Uniontown, OH 44685.

Deb Allbery received an M.F.A. degree in creative writing from the U of Iowa in 1982. She moved to Madison, WI where she works in the text and reference office of the University bookstore. Deb's writing career is going well as her poems have appeared in *Ploughshares*, *Ironwood*, *Crazyhorse*, *The Missouri Review*, *Tendril*, and in *The Iowa Review*. She has won prizes in the B. Murray Denny Award contest, the Chester H. Jones National Poetry Competition, and has been awarded the George Bennett Fellowship at Phillips Exeter Academy in NH.

Practicing law in Chicago is **Cindy Clark Regan**, as an in-house lawyer for WTTW, Chicago's public television. Cindy works in copyright and entertainment law. Home address: 656 West Buckingham Place, 2-E, Chicago, IL 60657.

A long letter from **Lisa Garvin** informs us that she has been in Texas since Jan., 1980, working at radio station KMUV-A.M. 1140 in Conroe, TX, about forty miles from Houston. She's become an experienced courtroom news reporter and a light-rock D.J. Lisa also works nights at a Red Lobster restaurant as cashier and bartender. Lisa really misses Ohio and would like to get the scoop on **Anne Beever Bordine**, **Shelley Griewahn**, **Amy Kaplan**, **Ann Schoch '78** and **Jill Joss**. And from **Crandall House** — how about **Scott Baxter**, **Jay MacDonald**, and others. And finally, how about **Steve Graffam '80** and **Mike Girimont '80**. Lisa's address: 25510 Brookhaven, 304, Spring, TX 77386.

The family of **Sharon Farmer Schoneman** is growing. Rachel is 4 and Matthew Steven was born April 4, 1983. Sharon works Saturdays at a Savings and Loan, is an advisor to the church youth group, helps run the nursery, and with **Steve**, teaches senior high Sunday School. Steve has been with Burroughs since graduation and is now program manager in the systems development group, and pursuing an M.A. in computer science. Being chairman of the church council, and chairman of the building construction committee for a new church also keeps him busy. Sharon and Steve live at 1323 Pine Argle, Downingtown, PA 19335.

Sharon sent in news of other Woosterites: **Anne Hackler** moved from Chicago to Cincinnati in Dec., 1984; **Kirk** and **Cindy (Bruss '78) Jacobson** are in their new home in Akron; **Karen Mills** is a paralegal in Denver; **Mary Curl '80** and **John Gorte** were married after Thanksgiving in 1984.

Paul Keeler, of Quakertown, PA, is a consultant in the electric utility market. He writes that **Larry Nader** was married in Lakeport, CA on May 25, 1985. His wife Gail is originally from Ohio. Woosterites in attendance: **Paul Keeler**, **Matt Marko**, **Ed Andrew '80**, and **Bill Price '81**. Larry is co-owner of a radio station in Lakeport and can be reached at 5457 Hill Rd., Lakeport, CA 95453. Paul also wrote that **Tom Litzler '81** was married on Sept. 28, 1985 in Ann Arbor, MI. Thanks Paul for all the news.

I (**Pat**) am in my third year at Hobart Middle School in the Painesville city school district and really enjoy working with the sixth grade band.

During the summer I was the music counselor for **Hawkin Day Camp** in Lyndhurst, OH. **Kathy Majeski '82** was the head counselor. In Aug. I took a vacation to San Francisco which was wonderful.

Congratulations to **Donna Washington** who has been appointed the new manager of special events for the Cleveland Health Education Museum. She will be responsible for designing and implementing special events, fund raisers, and marketing programs at the museum. Previously, Donna was tour manager and education director for the Cleveland Opera.

After spending several years in medical research at Duke, **Patricia Jolie** has become a medical student at the U of North Carolina School of Medicine. She hopes friends will stop by for a visit when they are in the area. Address: Rt. 7, Box 281, Pope Rd., Durham, NC 27707.

Secretaries: **Pat Stocker**, 37441 Grove Ave., Apt. 302, Willoughby, OH 44094; **Lisa Carter Sheroock**, 3500 Colonial Dr., Springfield, OH 45504.

1978

Robin Light and **Stuart Thomas** were married Nov. 24, 1984 and now reside at: 2540 Pillsbury Ave., S., Minneapolis, MN 55404. Among the wedding party were: **Andy Saslow**, **Anna Van Der Burg**, **Geoff Good**, and **Robin's father Robert Light '52**. Stewart is the owner of The Bicycle Works and Robin is an interior decorator.

Congratulations to **Chuck Wolff** and **Alicia Alonso** who were married May 19 in White Plains, NY. Chuck is employed by AT&T.

Recently, I (**Joan**) spoke with **Bill Stone** who told me **Larry Lane** is living in Georgetown. **Bob McDowall**, an M.D., is practicing in New York City. **Herb Williamson** is at the U of Illinois. **Rob Lawson** is working in Washington as a business consultant and also on the Capitol Hill swim team.

Hester Bradbury was married in July to **Ignacio Navarrete** and they spent their honeymoon in France. While in Paris they met **Anne Rowland**, who had just toured England. Hester is living in Manhattan, KS where her husband teaches modern languages at Kansas State U. Having completed a culinary arts program at the New York Restaurant School in 1984, Hester hopes to pursue a career in culinary arts. Their new address: 727 Bertrand St., Manhattan, KS 66502.

Curt Freeman is president of Fairbanks Exploration and is heading a group of developers in an effort to form a public corporation based in Fairbanks. As well as administrative matters, Curt is involved in field work. He sees **Jim Clough '75** often as Jim is a geologist with the State Geological and Geophysical Survey in Fairbanks. He also hears occasionally from **Gordon Wright '57**, the conductor of the Fairbanks Symphony. Curt writes that his home is open to Wooster visitors at any time, even winter, just bring your shovel! Address: c/o Fairbanks Exploration, Inc., P.O. Box 82549, Fairbanks, Alaska 99708.

Vicki Weiss is a national account manager with Eastman Kodak in Portland, OR, but is planning to relocate to Seattle. Let us know when that happens, Vicki.

Chris Shields is a speech therapist for Parma Community Hospital in Ohio.

Congratulations to **Judy Kean** and her husband, **Pat Quinlan**, whose son, **Michael**, was born in January.

Nanette Secor is an editor for a daily newspaper in Iowa City, IA.

Greg Benckart is living in Mayfield Hts., OH and is employed by Pittsburgh Plate Glass. Rumor

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has it that Greg is an avid Brown's fan.

Eric Van Heyst is now vice-president of Chase Manhattan Bank. Vicki Weiss saw Eric in New York City on a recent business trip.

Mary and **Nick Bosworth** are residing in Milwaukee where Nick is employed by General Electric.

The class extends their deep regrets to the family of **Tom Edson**. Tom was killed in a motorcycle accident on Sept. 2, 1985.

Having completed her pediatrics residency, **Vickie Zurcher Joyce** is taking a year off from full-time employment to raise Katie, born Jan. 27, 1985. Vickie is working part time in a newborn intensive care unit at Northwestern U. When husband Dave begins a cardiology fellowship at Case next July, the Joyces will move back to Cleveland.

Another doctor in the class is **Kathryn Osborn Helmuth** who is working on the pediatric staff of Mt. Sinai Hospital in Cleveland. She and her husband Denny, an intern, are residing in University Heights, OH.

Secretaries: Joan Blanchard Mosher, 599 Country Way, North Scituate, MA 02060; Diana Dewey Emanuele, 508 Cascade Rd., Forest Hills, PA 15221.

1 9 7 7

Jeff Kachmar has joined Maxicare Indiana, Inc., a health maintenance organization, as provider development specialist. His responsibilities include recruiting and contracting physicians, hospitals, pharmacies, and other health care units to provide for Maxicare members. Jeff writes, "I still keep in touch with **John** and **Polly** (Armington '78) **Wise**, **John '78** and **Beverly** (Harrison '78) **Dale**, and many other members of the class of 1978, who while young and naive compared to us in the class of 1977, are an amusing bunch." Jeff received an M.S. degree from Purdue in 1982 and married his wife Betsy in 1984.

Your secretary recently received news from **Adele Rapport Seymour** who was made a partner in the law firm of Arnstein, Gluck, Lehr, Barron & Milligan. Adele has two children, Clara born July 17, 1985, and Morgan who is three. Adele reports that her brother **Joe '79** and his wife, **Gaylia**, were both ordained as rabbis in 1984. **Gaylia** is working with a congregation of 1800 families while **Joe** is completing Ph.D. work in history before taking a pulpit. They live in St. Louis.

Secretary: Bruce Shaw, 5520 Haverhill, Detroit, MI 48224, Tel. 313-884-6031.

1 9 7 6

Congratulations to **Tim Shetzer** who has been appointed executive director of the Louisville, Ohio YMCA. In addition to this responsibility, Tim will provide administrative supervision for the Y staff and program at the Canton South and Minerva program centers. YMCA work is not new to Tim who served as physical director for four years at the Alliance YMCA before his selection for the "YMCA Professional Abroad" program. From Sept., 1983 thru Aug., 1985 Tim served the Jerusalem International YMCA. He and his wife **Lynn Bozich '75**, an ordained minister, are the parents of **Lane Kathryn**.

Kit Arn, his wife **Pam**, and three children have relocated to Ohio once again — this time to Hudson. Kit is the manager of the wine division for the Superior Beverage Group, Ltd., based in Austintown, OH. Superior is a group of four beer and wine distributorships in Ohio and Florida.

For all of you who travel or vacation on the Gulf Coast of Florida, **Jeff Jae** extends an open

invitation to visit. **Jeff** and **Libbie** (Wright '78) live at 3016 Sabal Rd., Tampa, FL 33618.

Karen McElvany is now assistant director of clinical research at Mallinckrodt, Inc. She and husband **William Powers** are the parents of **Katherine Elizabeth**, born Dec. 2, 1984.

After graduation from Wooster, **Laurie Warkentin Zaring** spent a year in Montpelier, France working as a volunteer nurse's aide. She returned home and started work on an M.A. degree in French linguistics at U of Texas, Austin, receiving her degree in 1979. While at the university she met **Alan Zaring**, a computer science grad student, and they were married in Aug., 1979. They then went to Cornell U to earn their Ph.D. degrees. Ph.D. in hand, **Laurie** is now teaching French linguistics at Indiana University. **Alan** is teaching part time in Indiana's computer science department and finishing his dissertation for Cornell. Address: 3468 John Hinkle Pl., Bloomington, IN 47401.

Congratulations to **Dan Owens** who has passed the CPA exam and is working for Von Lehman and Company in Cincinnati, OH. **Dan** is teaching the senior high Sunday morning class at his church, playing lots of golf and basketball, and recently moved to a new apartment. He invites Wooster friends to visit (or write!) anytime. Address: 2618 Montana Ave., 10, Cincinnati, OH 45211.

Secretary: Mary Robertson, 1094 Kennesaw, Birmingham, MI 48008.

1 9 7 5

In September **Scott Weingart** became assistant to the superintendent for community relations in the Tempe (Arizona) Union High School district, a system that is expanding rapidly.

Congratulations to **E. J. Zack Mahoney** who received her Ph.D. from the U of Akron.

Since **Bruce Arnold** moved to West Virginia in 1980 to study for an M.S.W. degree at West Virginia U, "a lot of water has gone under the bridge." He received his degree in 1982 and a week later married **Marriane McMullen** in a Quaker ceremony in Pittsburgh. **Bruce** later joined the Society of Friends.

Soon after their marriage, they moved to Washington, D.C. where **Marriane**, a journalist, worked for *Sojourners* magazine and **Bruce** directed a foster care program for the United Methodists. Not finding big city life attractive, the Arnolds moved to Richmond, IN, home of the only Quaker seminary in the world, in the summer of 1984. **Bruce** started working as a youth minister at a nearby church in addition to carrying a full-course load and **Marriane** became a reporter for the local daily.

The country living that **Bruce** has been dreaming about since leaving Ohio five years ago became a reality recently. This past summer he was asked to serve as pastor of a small rural Quaker meeting in West Elkton, OH. He writes, "I still get to use my social work skills, although I am discovering that the pastorate requires very different applications of them. I'm still taking courses at Earlham School of Religion, and **Marriane** is still reporting away. No kids — yet."

He hears from **Marcy '74** and **Ned Bailey-Adams** and keeps in touch with **Bob** and **Anne Loveland Brookie**. "Sure would like to hear from some of the rest of you, though." **Paula Bidle** is a preacher, too? All right, **Paula**! How about some cards and letters? Address: P.O. Box 27, West Elkton, OH 45070.

We hear that **Cynthia Williams** has been appointed assistant professor of biology at Hobart and William Smith Colleges in New York.

Congratulations to **Michael** and **Liza Cameron Eckstein** whose daughter **Brittany Cameron** was born Aug. 16, 1985. **Son Cameron** is now three. **Liza**

is working on her thesis to complete a Masters degree in nursing. **Michael** is an internist at Kaiser Permanente in Cleveland.

Secretary: Andrea Steenburg, 9440 Fitzharding Lane, Owings Mills, MD 21117.

1 9 7 4

The new music director at Lake Forest Academy is **David Beaubien**. He teaches all choral and instrumental classes at the Academy and is the choir director of the First Unitarian Church of Chicago.

Currently in private medical practice in Hickory, NC, **Brian Steg** has been elected to Fellowship in the American College of Cardiology.

Sharon Baker Mentzer is assistant chief, facilities office of emergency medical services for the State of North Carolina. She is responsible for coordinating the teams that visit hospitals to review the qualifications of their trauma centers. Since she is actively involved in all site visits, **Sharon** travels a lot. She is also responsible for coordinating all State ambulance services and issues monthly reports concerning the types of calls, reason for emergency, and mileage.

Sarah Bohr is an attorney with Jacksonville Area Legal Aid, Inc., in Florida. She graduated from Antioch School of Law in 1977 and in 1982 married **John Alexander, Jr.**, an attorney, whom she met in law school. **Sarah** writes, "It's definitely a challenge combining a professional and personal life!" Daughter **Meredith** was born Oct. 7, 1983.

The managerial skills and teaching experience of **Gary Kagarise** has led to his selection as the new principal of Huber Ridge Elementary School in Westerville, OH. **Gary** received his B.S. degree and master's degree in early and middle childhood education from O.S.U. Wife **Nancy (Roe)** tutors learning disabled children at two Westerville schools. The Kagarises have two children; **Jennie**, a second grader, and **Daniel**, a kindergartener.

Secretary: Bill Irvine, 103 Crofton, San Antonio, TX 78210.

1 9 7 3

From California, **Dianna McCartney** writes, "I continue to enjoy living in gorgeous San Diego. If you ever hear that I have moved, you'll know I left kicking and screaming! After more than three years, my job managing the outpatient surgery unit for Mercy Hospital is still fun and challenging. I have been deeply involved in designing a new and much larger Surgi-Center, as well as planning a comprehensive surgery program for the hospital. Much to my surprise, a latent workaholic is emerging! However, the beaches here may keep that tendency from getting out of hand." **Ellen Newton Nash** and her six-year-old son, **Michael**, visited **Dianna** in June. She says they managed to talk non-stop for four days! In July **Dianna** visited **Denver** and saw **Holly Klopp Barker** and **Holly Hanson Walker** and their families.

Lynn Hamilton is now Trust Investment Officer of Society Bank. His responsibilities include making stock and bond investments for the Trust Department's trust, estate and investment management accounts, and serving as portfolio manager for the bank's employee benefit equity common trust fund. He and his wife reside in Canton, Ohio.

After a six year hiatus as a yuppie (VCR, no BMW) with a major East Coast engineering firm, **Scott Bair** and his wife, **Julie**, and daughter **Katie** (almost three), recently moved to Dublin, OH. **Scott** accepted a faculty position in the department of Geology and Mineralogy at Ohio State. Although the switch back to academe wasn't difficult **Scott** writes,

Alligators, Snakes, and Pompoms



Tim Baab '71

Do coaches make a difference? The students and administration at John Carroll U in Cleveland think so. Since **Tim Baab '71** has been the coach of the Blue Streak basketball team, "he has made John Carroll one of the most fun places to watch — and play — Division III basketball," states the *Cleveland Magazine*. Coach Baab's Flying Circus, with Tim as ringmaster, appears at John Carroll whenever his team plays at home.

What happens when the circus appears? Live snakes may be exhibited at mid-court, or a magician, hired by Tim, may have the team's star player appear out of a cloud of smoke. Spectators will have to wait to see Tim's recent brainstorm, as the professional animal trainer he hired to wrestle an alligator was unavailable for their game against the Allegheny, PA, Gators.

Along with such gimmicks, Tim has organized the cheerleaders, a pompom squad, and a Pep band to increase the involvement of the student body in the basketball games. His team members receive spotlight introductions and hold warm-ups synchronized to rock 'n' roll. The team's record at home has been thirty wins and nine losses during the four seasons Tim has been head coach, and average attendance at games has increased from 350 people to 1,200. "If you can't have a good time when you're in college, then I don't think a college is doing what it should," he says. Tim Baab, you *have* made a difference.

they do miss their Wooster friends in the Philadelphia area (**Greg and Elissa Truitt Kopf**, Michael and **Ann Keller Hillman**) with whom they shared many enjoyable moments, including a memorable, albeit sleepless, week together at the Jersey shore with their kids.

In October Scott presented a series of lectures to the Wooster Geology department concerning the geohydrology of the three proposed high-level nuclear-waste repository sites currently being evaluated by the U.S. Department of Energy. Scott was awe-struck by the renovations to Scovel which he says finally took the building out of the Pleistocene and into the Holocene.

After working in Houston, TX for the last two years as manager of the North Alaska Exploration Project with Exxon, **Bill Drennen** was transferred to corporate headquarters in New York last summer. In his new assignment Bill primarily works with a group that coordinates and evaluates Exxon's exploration activity on a world-wide basis. Bill, Kathy, and their three children (Matthew, 8, Becky, 6, Michael, 4) now live in Danbury, CT, which is quite a change from a very hot and flat Houston. He writes, "The kids are really excited to see their first real snow. Apart from the thought of shoveling snow — ugh — Kathy and I really like it here. I'm slowly getting used to my one hour and forty-five minute commute each way into New York City."

We hear that **Bill Henley** was runner-up for the club championship in golf at the Wooster Country Club this summer.

In November **Rick and Marcia Rooker Lee** were on campus when Rick gave a lecture to the department of Biology seminar about overwintering insects. His talk, "To Freeze or Not To Freeze" was based on his research in Antarctica in 1980 and 1981. Rick and Marcia are both assistant professors at Miami U: he in Zoology and she in microbiology. Marcia teaches medical mycology and microbiology in addition to serving as director of the medical technology program. The Lees have two children, Bethany, almost 4, and Daniel, born in Jan., 1985. They live at 1251 S. Hills Blvd., Hamilton, OH 45013 and would love to hear from friends or have them stop by.

If you like to read fast-moving and realistic stories about missions in space, then read **D. J. Savage's** book, *The Glass Lady*. The editor-in-chief of *Astronomy* says, "The reader flies the mission with Parker and Enright — and Parker and Enright fly the Shuttle as it really is flown. . . . Go ahead — get this book and read it. You will enjoy."

D. J. is a practicing attorney and blacksmith, and an associate editor for *The Journal of Cranio-Mandibular Practice*, a journal for facial surgeons. He is also a licensed private pilot and an associate-pilot member of the American Society of Aerospace Pilots, the only non-government agency training Shuttle astronauts.

Secretary: **Sue Anderson Straw**, 8877 Blade Green Lane, Columbia, MD 21045.

1 9 7 2

Congratulations to **Bill Shriver** who has been elected president of the North Central Ohio Education Association (NCOEA) for the 1985-86 school year. He has been teaching in the Mount Vernon city school district for twelve years. He currently teaches high school world history and American history.

Another teacher in our class is **Anne Weaver Rock**. She writes, "I'm in the beginning of my thirteenth year of teaching and still enjoying it! I have become interested in computers and am taking graduate courses in computer education. Not real sure where I want to go with it yet." Anne and her

husband Tom spent a busy summer working in and around their house. Their sons, Andy, 5, and Ben, almost three, keep life busy and interesting. A big step occurred when Andy was enrolled in kindergarten and Anne found herself "on the other end of parent-teacher conferences."

Secretary: **Roberta Reid**, 408 E. Erie St., Albion, MI 49224.

1 9 7 1

Ellen Franke Poritsky writes that she is still trying to get her dissertation written. This past June, her husband John led a two-week tour of the USSR for the Citizen Exchange Council. Ellen said it was good to have the chance to practice her language skills firsthand.

Congratulations to **Timothy Horne** who was inducted into the U of Toledo's chapter of the Order of the Coif in October. The Order of the Coif, a national legal honor society, recognizes outstanding achievement in the study of law.

Please note the mini-article about **Tim Baab** and his flying circus.

Secretary: **Debbie Monts Taylor**, 9 Kathmere Rd., Havertown, PA 19083.

1 9 7 0

After eleven years in the travel industry working as a travel agent and "G.O." with Club Méditerranée, **Susan Boyt** has opened (along with a friend) her own travel agency in downtown Chicago — Travel Options, Inc. A full-service agency, they provide a variety of services from a simple roundtrip air ticket to the "once-in-a-lifetime" trip for clients to anywhere in the world. Personalized service is available for individual and corporate travellers.

Secretary: **Trisha Lewis Davis**, 117 E. New England Ave., Worthington, OH 43085.

1 9 6 9

Richard Vodra writes that he and Bettie Witherspoon Vodra '71 are the proud parents of Katherine Elizabeth, born March 8, 1985. She joins Paul, now nine years old. Richard and both children were baptized this past year by the Rev. Gary G. Pinder '61 at the Lewinsville, VA Presbyterian Church. Bettie is an elder there and Tom '70 and Sue (Leech '71) Boardman were in the congregation. The Boardmans are in the Washington area for a year's sabbatical. Richard and Bettie live in the McLean, VA area and Richard works for The Financial Service Group at Tysons Corner, VA.

In Dec., 1984, Dave and **Suzanne Stewart Moseman** and son Alex drove to Washington's National Airport to meet the modern stork — a jetliner bringing Michael Stewart Moseman from Korea. Mike, now three years old, soon forgot his Korean and is now chattering in English. Suzanne says he has strong opinions about favorite foods — pizza and hot dogs. When Mike arrived Suzanne left her job of eleven years at the Social Security Administration. Although she was sorry to leave her co-workers she has become involved in teaching swimnastics and setting up the Arthritis Aquatic Program and volunteering as church librarian. She and a friend also share a pottery studio. She'd love to hear from former classmates. Address: 1219 White Mills Rd., Catonsville, MD 21228.

Secretary: **Judy Simkins Haines**, 300 Berkshire Dr., Rochester, NY 14616.

CLASS NOTES

1 9 6 8

Julia and **Richard Kerr** had two reasons to celebrate during the past year. Their first child, Ross Campbell, was born April 25, 1985, and Richard coauthored a book on planetary rings with an astronomer, James Elliot. The book, titled *Rings: Discoveries from Galileo to Voyager*, was published by MIT Press. Congratulations on both counts.

1 9 6 7

John Ferner continues to teach Biology at Thomas More College in Kentucky. He is also assisting the Covington Public Schools to establish their International Baccalaureate Program this year. John writes, "I spent part of this summer in Kenya, a biological paradise."

Secretary: **Emily Albu Hanawalt**, 4 Thingvalla Ave., Cambridge, MA 02138.

1 9 6 6

In August, **Kathy Kenney Ferner** completed her Ph.D. degree in psychology at Wright State U. Kathy is continuing her private practice in northern Kentucky while working part time at the Clermont County (Ohio) Mental Health Center.

In January, 1985, **Paul Browne** assumed his new position as associate vice dean and director of the Wharton Executive MBA Program. Previously an assistant professor in Wharton's management department, Paul will continue to teach courses in strategic planning and organizational design.

Secretaries: **David Arscott**, 249 Catalpa Dr., Atherton, CA 94025; **Elizabeth Westhafer O'Brien**, 48 Durand Rd., Maplewood, NJ 07040.

1 9 6 5

Gerald Fischer wrote that he has made a career change. "After seventeen years with Ford Motor Company, I have become a banker." He and Cathie (Long '64) recently moved to Minneapolis from Detroit, where they had produced many successful concerts. Their children are David, 16, and Erika, 14.

By volunteering as a board member of the Baltimore Choral Arts Society, **Ann Coffman Berger** located employment as the administrator for the Children's Chorus of Maryland. She has also appeared as a soloist with the Johns Hopkins University Glee Club and the Goucher College Chorus. Ann and husband David and their two daughters continue to enjoy living in downtown Baltimore, where they are restoring a Victorian home.

From Coldwater, MI, **Michael Cherry** informs us that he and his wife Dorothy were partners in a general law practice from 1976 until 1984. Then in the fall of 1984, Michael defeated a nine-year incumbent to become a circuit judge for Branch County. Home for the Cherrys and their two children is 650 N. Fall River, Coldwater, MI 49036.

Recently, I (**Sally**) had the pleasure of entertaining my sophomore college roommate, **Judy Weiss Bauer**. She looks terrific and shared the news that she will be married in April. Judy is working as a "court runner" for one of Cleveland's largest legal firms. She couldn't help but brag about her two daughters, Janette, a high school senior, and Julie, a tenth grader. Both girls have been successful academically and in music and dance. Judy's home is at 49 Bard Dr., 106, Hudson, OH 44236.

In Sept. **Richard Robertson**, completed a sixty-

five day, twenty-one state sabbatical trip during which he studied administrative computerization at ten Western community colleges. Richard is dean of students at Butler County Community College, PA.

After graduation from Wooster, **Ruth England Mock** and husband Gary moved to the South. An oboe performance major, Ruth received an M.A. degree from Converse College in Spartanburg, SC. She currently teaches public school music. Over the years, Ruth has taught a little of everything including band and chorus, grades four through college (Clemson), public speaking and journalism. The Mocks have three sons: 14, 16, and 18. The eldest son is a freshman at the Air Force Academy and likes it.

More memories: Remember not walking on the painted "heart" on the brick sidewalk near the old chapel? Not just anyone could walk on it! Remember the creaking wooden floors of Scovel Hall? They're gone today. Scovel's outer shell is recognizable; but inside, the building is modern, colorfully decorated and carpeted!

Secretary: **Sally Mumma Johns**, 4629 Muirfield Dr., Fort Wayne, IN 46815.

1 9 6 4

Latin was added to the curriculum at Falls High School in Ohio this year and **Bonnie Slagle Zurbuch** was chosen to teach it. Bonnie has four years' teaching experience in secondary schools and has also taught Latin at Kent State.

In Sept., 1985, **Robert Robison** was elected tax partner in the Chicago office of Coopers & Lybrand, an international accounting and consulting firm, which he joined in 1983. Bob has published articles in *Banker's Monthly*, *The Tax Executive*, and the *Tax Advisor*. He and his wife, Linda, have two sons.

Diana Pearce was the forum speaker for Cleveland City Club on Oct. 18, 1985. The title of her address was "The Feminization of Poverty." Diana is currently director of the Women and Poverty Project in Washington, and a visiting professor of sociology at American University. She is the author of a number of books and articles on housing segregation, busing, welfare, women's employment, and ethnic minorities. A term now used widely in the women's movement, "feminization of poverty," was coined by Diana in 1982.

Secretaries: **Russell & Jane Welton Yamazaki**, 526 Pemberton, Grosse Pointe Park, MI 48230.

1 9 6 3

Gary Barrette, who has served as a consultant to Wooster as well as its first intercollegiate coach of soccer in the fall of 1962, is now at Adelphi U in New York.

William Yoder is happy to report that the government of the Kingdom of Thailand has "upgraded" Payap College to full university status, equal to the royal state universities. Payap University, an institution of the Church of Christ in Thailand (Presbyterian), is the first such private institution so honored. "We are very happy and proud that the government has placed such confidence in us."

Betsy Edwards visited Wooster for a few days in November, 1985. She enjoyed seeing friends, visiting classes, and speaking about her life on the Ivory Coast in West Africa. As a member of Wycliffe Bible Translators, Betsy supervises teacher training courses and workshops for writers in the Nyabwa language, which is one of the Ivory Coast's sixty indigenous languages.

While she's home on furlough (until May '86),



Betsy Edwards

her address is: c/o Mrs. Samuel Glass, 72 High St., New Providence, NJ 07974. In May of '86, Betsy will go to Europe to brush up on her French, the Ivory Coast's national language. Then she will return to Africa for another four-year term. As of Sept., 1, 1985, her address will be: SIL, 08B.P. 857, Abidjan 08, Ivory Coast, W. Africa.

Jean Muir is now working in the corporate office of Siskas of Providence as manager of compensation and policy analysis. The organization owns/sponsors fourteen acute care hospitals, four nursing homes, a child center, and a high school ranging geographically from Anchorage to Burbank. Jean is active in sailing and is heading The Mountaineers' Sailing Program, a local (10,000 member) outdoor organization. Jean writes, "I became the 'instant mother' of two teen-aged girls (14 and 16) when I married Ian Walker last year."

Secretary: **Lynne Larson Cleverdon**, 206 S. MacArthur, Springfield, IL 62704.

1 9 6 2

Congratulations to **William Bishop** who has been promoted to assistant administrator of the National Oceanic and Atmospheric Administration. He is in charge of NOAA's National Environmental Satellite, Data and Information Service. NOAA is to operate the nation's first space station, planned for a permanent orbit sometime in the mid-1990s.

Richard Maxwell, the Holmes County superintendent of schools, also serves as adjunct professor at Ashland College and is a consultant for the Ohio Department of Education. Richard is a resident of Millersburg, OH.

Secretaries: **David Shriver**, 2277 Stillman Rd., Cleveland Heights, OH 44118; **Genie Henson Hatch**, 402 Linda Lane, Wentzville, MO 63385.

1 9 6 1

This summer **Robert Van Wyk** attended an NEH Institute on the moral philosophy of Thomas Aquinas on the campus of Notre Dame. In 1986 his paper titled "Autonomy Theses Revisited" will be published in *Faith and Philosophy*. Robert is still teaching philosophy at the Johnstown, PA campus of the U of Pittsburgh. Two of his children are in college; Chris is a sophomore at Juniata, and Mark is a freshman at Swarthmore.

Secretaries: **Peter Wright**, 1918 Bauss St., Midland, MI 48640; **Jane Trout Clippinger**, 2818 Pomeroy, Louisville, KY 40218.

To Make Nutrition Creative. . .

by Anne Gieser Hunt '58



Anne Gieser Hunt '58
Vice-president of Hess and
Hunt, Inc.

"Fitness" has become a high priority in many lives. It's right up there with job satisfaction, meaningful relationships, and making the world a better place in which to live. People are planning their schedules not only to build up their bank accounts, but to strengthen their heartbeats.

While there are those who, through the grace of God and the gift of good genes, stay healthy throughout life, most of us have to work for it. My job, as a nutrition communicator, is to present the gospel of good health in a way that gets individuals excited enough about the rewards to make it worth the effort.

Hess and Hunt, Inc., the firm in which I am a partner, was started in 1979 to provide nutrition consulting services to businesses and institutions. The interest in diet and health had been growing, and my partner, a registered dietitian and health educator, was concerned about food faddism and misinformation. She saw the food industry and the media as potentially powerful channels through which to communicate accurate information. Combining her technical expertise and my communication skills, we set out to help them do this.

The challenge has been to make nutrition creative, interesting, and practical without distorting the truth. Yes, we help sell products, but we will not say anything that we cannot substantiate with current reliable research. This stand has earned us the respect of clients, health professionals, and the public.

It feels very good to do work that helps people live better lives. I also like the variety, the challenge, and the creativity of my job. I can talk in grand terms about how my liberal arts education prepared me for this, but I can also talk about it in some very specific terms.

Is it conceivable that accomplishing the seemingly impossible assignment of dissecting a dogfish shark prepared me for the task of understanding iron metabolism or the placental transfer system? I did not know a great deal about elder (the new preferred term) urban men and women when we began working with the City of Chicago's Department of Aging a few years ago, but then, I didn't know much about Levittown before I took that sociology course in 1955. I use the same research and organization methods today when I write a booklet on calcium that I used when I did my I.S. in 1957.

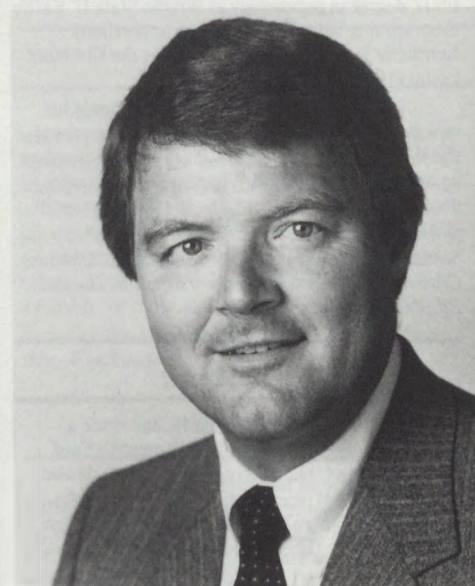
Most of all, I wish I could show Dorothy Mateer, my English advisor, a copy of *Pickles & Ice Cream*, the book I wrote with Mary Abbott Hess. [Reviewed in Spring '83 *Alumni Magazine*.] Without the help of the editing department at McGraw-Hill, Miss Mateer probably would have given me a B- on the basis of punctuation and grammar. The book has received rave reviews for content and style, and an award from the American Medical Writers Association — severe critics indeed!

Dorothy Mateer always made me go one rung higher on the ladder of accomplishment than I thought I could go. I'm still doing it.

1960

Margaret Danziger has been appointed the assistant director of the Toledo-Lucas County Library. For the past three years she has been the head of the business department at the main library. During that time she initiated the Federal Government Procurement Center and formulated outreach efforts to business schools in the area; supervised the physical expansion of the department and its collection; coordinated tax materials and services for main and branches libraries in the system; established a Career-Vocational center to assist area unemployed individuals.

The Atlanta Convention and Visitors Bureau (ACVB) has promoted **Rick Myers** to vice-president, trade shows and convention services. A former national sales manager, Rick has been with ACVB for six years. He will now be responsible for the convention service department, which includes housing and registration activities. Rick will continue to be responsible for administrating sales efforts and for coordination of dates between the hotels and Atlanta's exhibit facilities. He, wife Sharlene, and their three children reside in Roswell, GA.



Rick Myers

Carol Galloway Lamberger writes, "We lived through the terrible Jr. High years and are back in calm times but with silver hair!" She is still active as a volunteer in PTA, Church, band parents, and school board committees. Carol and a friend have started in the garage management business for fun and, they hope, profit. She and Paul love to travel. They backpacked in the Arizona wilderness and went to Nova Scotia in August.

George Armstrong is a telecommunications-data analyst for Charles Schwab & Co., Inc., in California; however, writing poetry, painting and drawing seem to be his favorite activities. George writes, "Published *One Hundred Sonnets* in 1983 and have sold a few paintings and drawings. Have written twenty-seven more sonnets, am trying to surpass Shakespeare's record number." He is still restoring a 1928 art-deco Mediterranean design house with "sporadic vigor."

C. Susie Jaite King is "very busy wearing many hats as mother of two teenage daughters, wife of associate professor (Harvard Medical School and

CLASS NOTES

N. England Regional Primate Center), and working in the mental health field." Susie is the senior clinical director for a new twelve-bed child development and psychiatric unit at Marlboro Hospital. The Kings live in Hudson, MA.

Secretary: **Nancy Brown Tyburski**, 3622 Croydon Dr., NW, Canton, OH 44718.

1 9 5 9

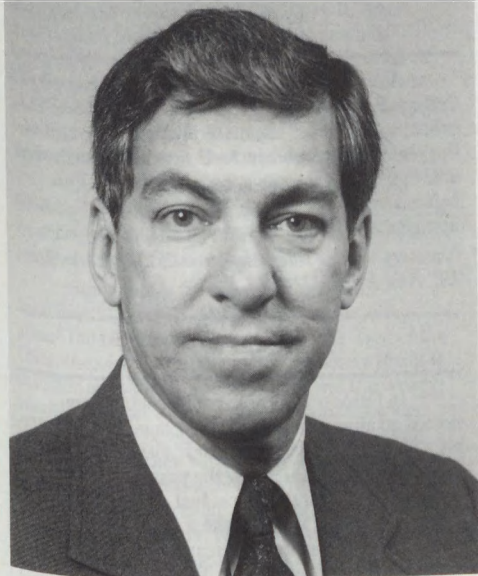
David Patton is an associate professor of labor education and research service of Ohio State U. Besides teaching courses in trade union administration, David serves as a consultant to the Ohio Committee on Labor Management Cooperation.

Secretary: **Gretchen Yant Robinson**, 608 Conley, Ada, OH 45810.

1 9 5 8

After being in missile electronics in the Air Force for twenty-one years, **Jim Beatty** retired in 1980 in Cheyenne, WY where he has lived for eleven years. His love of the mountains and wild plants has led him to his present job — managing a garden center. Jim has a son and daughter, both married and both living in the vicinity. Although he visits family in Pennsylvania and Illinois, he spends most of his free time in the mountains.

George Dando retired as a Navy Chaplain in 1983 after assignments in Viet Nam, Guam, and on ships all over the Pacific Ocean. He is now an interim specialist for the Presbytery of Carlisle, PA and lives near Fayetteville, PA in a house which he and his wife are building themselves! This project began with clearing the land and will probably continue for several years.



Lawrence Springer

Peter Pope is a Master Sergeant in the Air Force in the Strategic Air Command. He began his military career in Texas and moved from there to Korea, Montana, Florida, Viet Nam, Ohio, Germany, California. Peter is now stationed at Fort Ritchie, MD where he works in an underground site. On vacations he often visits his mother and sister in the Akron area. Peter enjoys golf, running, basketball, and reading.

Congratulations to **Lawrence Springer** who was inducted into The American College of Civil Trial Attorneys. The ceremony was held in London,

England on July 13, 1985. Larry is a partner in the Youngstown firm of Comstock, Springer and Wilson. He lives in Boardman with his wife, son and daughter.

Bill and Liz Darling Jennings both graduated from Ohio State and now farm 2000 acres near Dresden, OH. Bill and their two married sons farm as a unit and raise corn. With a degree in business administration, Bill taught high school business courses for three years, but finds farming a full-time occupation. Occasionally during the winter months, the three men do construction work remodeling homes. Bill has been on the local school board for twenty-five years. He calls Liz his "errand lady and full-time partner." After fifteen years of cooking dinners at their church for the Women's Association, Liz has recently teamed up with their married daughter in a catering service called "Cata-party." They cater weddings and dinner parties of all sizes. The Jennings are enjoying their two grandsons and two granddaughters.

Be sure to read the mini-article about **Anne Gieser Hunt**.

Secretary: **Peggy McAnis Mueller**, 5510 South Garfield Ave., Hinsdale, IL 60521.

1 9 5 7

Women of the class of 1957 — Why not wear essence of skunk this year instead of Giorgio? The perfume of the year is called Skunkguard, developed by **Jack Scaff**. Jack, a Honolulu cardiologist, concocted the perfume three years ago when his wife was assaulted. "The idea is to make the woman so repulsive the attacker runs away," he says. If a woman finds herself in danger, she breaks open the one-inch capsule filled with the "perfume" and douses herself and, if possible, the attacker. The obnoxious odor clings to the attacker and the victim. Courage ladies, there is an enclosed neutralizing agent to remove the smell from your skin — but your clothes will probably have to go! The cost is \$14.95 an ounce. How are sales, Jack?

Secretaries: **Al Edel**, 6805 Market Square Dr., McLean, VA 22101; **Joyce Cappon**, 205 Yoakum Parkway, No. 522, Alexandria, VA 22304.

1 9 5 5

Carol Narrance Bowman serves as Director of Montgomery Manor, a home for girls in Hudson, MI. She has been working also on water colors and had her first one-artist show last year. Carol and her husband enjoy sailing on Lakes Michigan and Huron.

Bill Chapman is now Executive Secretary, Presbyteries' Cooperative Committee Presbyterian Church (USA), which is in charge of ordination exams for the denomination. He and his wife, Zitta, live in Hillsdale, NJ.

Ted '56 and **Janet Lea Cook** still live in Bethel Park, PA, where Janet is employed as a special education teacher. They could not attend the reunion this year as they were on their way to Europe to celebrate both their 30th wedding anniversary and the good news that Janet had received a clean bill of health on a five year check-up following her mastectomy.

Bob Davies is professor of History at Moorhead State U in Moorhead, MN. In his spare time, he writes that he sings in the Moorhead Civic Opera Company and has done eighteen operas thus far.

During part of 1984-85 **Geraldine Messina Smith** and her husband lived in London, where he was on sabbatical. While there Geraldine worked for the YWCA of the United Kingdom, as well as consulting for the World YWCA in Italy and Jerusalem. They

returned to California-Berkeley this fall.

Be sure to read the mini-article about **Jim Crow** in this issue.

Secretary: **Erla Jean Lewis Reeves**, 11693 Althea Dr., Pittsburgh, PA 15235. Tel. 412-242-2322.

1 9 5 4

Sympathy of the class is extended to **Joyce Robison Geier** whose husband, Jack, died Aug. 18, 1985.

Kathryn Myers Radakovich took her second trip with the Wooster River Rats this summer. This trip was really special because three of her daughters, plus a son-in-law, were among the group. "It was truly marvelous — fearless leader **Fred Cropp** does it again!"

Secretary: **Vivienne Smith Mason**, 165 Grandin Rd., Akron, OH 44313.

1 9 5 3

I (**Nona**) am glad **Ron** revealed the Taylors' real whereabouts in the last column. Sorry to have been silent for so long! Halloween, 1984, was the date we moved into the new retirement house near Kalispell, MT, despite the thirteen inch snowfall that kept the little ghosts and goblins in that night. We had been packing up, then traveling the country, and temporarily settled in the Kalispell area since January of that year, when Bill retired. On our 8000-mile journey around the country we enjoyed tea with **Norma Oppenlander Krauter** and her family in Vermont, finding her peppy and busy as ever.

Now, at this end of Rufenach Lane (my mother calls it Roughneck, and she's close to the truth) we're tucked into our own hilltop, which is fringed with lovely old pine trees, and our favorite view is a look to the northeast at the high peaks of Glacier Park. In the rolling Flathead Valley, all around us, are fields of hay, grain and seed potatoes, and pastures that are the homes of the cattle and horses said to be more numerous in Montana than people are. We see real stars at night, rainbows by day, wonderful sailing clouds in this beautiful Montana sky. We love it!

Our end of Roughneck is exactly a mile from the mailbox, an invention unknown to Lewis and Clark when they traveled these parts — but which adds quite a different aspect to modern pioneering.

Word processors bring us news from such other travelers as **Bob and Barb Mortensen Rosnagle**, who report they "moved, after twenty-one years in compact, green Connecticut to the wide open brown spaces of New Mexico" in the summer of 1984. Bob is associated with Lovelace Medical Center in Albuquerque. Barbara has developed an interest in things Spanish, studies the language and is docent at the Indian Pueblo Cultural Museum in Albuquerque. Both Barb and Bob are studying the geology of New Mexico.

They see **Bob and Liz (Haynes '54) Anderson**. Bob is professor and chairman of the pathology department of the U of New Mexico Medical School, but Andersons are not sharing rides in Mortensons' new Jeep just yet, as they're in England on sabbatical.

Yes, the postal service does a lot to keep us close to friends all over. **Gwen Griffith Wright** has moved to Richmond, CA and has established herself there as a consultant in spiritual development. Her new address: 3910 Solano Ave., Richmond, CA 94805.

The news isn't always happy that we receive, for Allan Hjerpe '51 wrote a beautiful recent tribute to **Lucy Ellsworth Hjerpe** who passed away Oct. 26, 1985 after a painful illness. He wrote: "When she

James Crow '55 Equine Artist

The beauty and grace of the horse has appealed to artists throughout the years, and free-lance illustrator and painter **James Crow '55** is no exception. But for him capturing the essence and excitement of the noble beast on canvas or posters or whatever is more than a sometime thing — it is his primary specialization. And since he and his wife, Molly (Kaderly '55), raise American Saddlebred horses on their nine-acre farm near Harrodsburg, Kentucky, his profession extends into his private life as well.

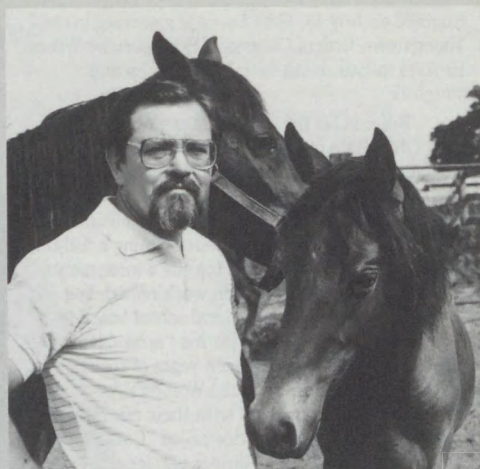
As an artist, Jim feels that equine art is as much a part of art history and art tradition as any of the fine art forms. How does he approach his paintings? "I try to capture the best qualities of the horse and the moment; and to make each painting a work of art that, like the horse, will enrich our lives and our souls." Obviously, the International Museum of the Horse at the Kentucky Horse Park feels that his paintings do just that as they granted him a one-man show in October, 1981.

He placed his work with Collectors Gallery in Lexington and it began to sell immediately to the Thoroughbred Horse owners and enthusiasts from all over the U.S. and Europe. It was there the Marchioness of Tavistock purchased one of his mare and foal paintings entitled "Summer Shower." The



"So Lovely"

Marquess and Marchioness of Tavistock took over Woburn Abbey after his father, the thirteenth Duke of Bedford, decided to live in France. Woburn Abbey, an estate of 13,000 acres in Bedfordshire, England, draws over a million visitors a year and is the major contributor to "The British Treasure Houses Show" at the National Gallery of Art in



James Crow '55 and friends.

Washington, D.C. Their collection includes all the great horse painters: Stubbs, Munnings, Herring, as well as Reynolds, Rembrandt, Canaletto, etc.

Jim has just finished a commission for Lady Tavistock, a large painting of her mare, Pushy, a famous racing mare, and her 1985 foal by Secretariat. Since winning the Queen Mary Stakes at Royal Ascot in 1981, Pushy has lived her stud life at Mill Ridge Farm in Lexington, KY.

In 1983, the American Saddlebred Horse Association commissioned Jim to do a painting to help promote the American Saddlebred; it brought \$10,000 at auction to help raise money for the new museum and then was donated to the museum by the purchaser.

The first \$1,000,000 Star World of Arabians Horse Show in Scottsdale, Arizona was held in 1984 and Jim was commissioned to do the program cover and poster art for the event. Nineteen Eighty Five brought a commission from Wayne Newton to paint his famous Arabian Stallion "Aramus." This work was done in watercolor.

Early in his career he spent five years with American Greetings and five years as art director at a newspaper. Now his focus is almost exclusively equine. Recently Jim signed with Frame House Gallery, a leading publisher of limited edition prints and they will introduce his work to a larger audience in that form. They have published "Summer Shower" a mare and foal; "They're Off," a racing painting, and will publish the new painting of Pushy titled "The Walking Mare" to be released in March, 1986. Jim is also represented by The Collectors Art Gallery, Lexington, KY; Merida Art Gallery, Louisville, KY; and Arthur Ackermann & Son Ltd., London, England.

"My work is progressing in keeping with my goals and Molly and I are enjoying the travel and the people we meet. Needless to say, our horizons have broadened considerably and we are looking forward to the future of the horse and of horse art." We, too, are looking forward to seeing more of your paintings, Jim.

went back to the hospital for one of her stays, the nurses smiled and shook their heads. They knew Lucy's room would be filled with a flood of visitors the entire day, and that all would leave feeling better than when they came. Her joy in living and her quiet, sure, and certain faith that things were happening as they should were infectious."

I (Nona) remember Lucy as a bright, lovely spirit, talented in so many ways, and am sure the comforting words I would send Allan, David, and Tom would be echoed by many.

In Jan., 1985, Oscar and **Lois Hill McCollum** took a twenty-five day tour with Hastings College students to Greece, Israel, Egypt, Sinai, and Rome. Among the many highlights of the trip was riding a camel and climbing inside the great pyramid. The McCollums see Rosemary Robbins Clark '52 and her husband Dave every week when they play recorders together.

Rowland Guildford writes that Royal Insurance Company of America discontinued the commercial lines underwriting operation in Cleveland and in June, 1985, "transferred several of us to the Cincinnati branch office." Rowland has worked for the company for twenty-seven-plus years and this was his first move. "My son and I love it in the Cincinnati area. We live in Anderson Twp., east of the city. Lots to see and do."

Now I (Nona) must rush to finish this or even the postal service will not get through in time; some have even wondered whether it's actually the pony express! Hey, maybe it's Bald Eagle Express — more will be arriving, but we counted seventeen of the baldies waiting for their salmon up in the park last week (but there are five fewer salmon than there were, for those were the ones I caught in July!).

Secretaries: **Ronald Felty**, 2317 E. Michigan St., Evansville, IN 47711; **Nona Williston Taylor**, 3003 Rufenach Lane, Kalispell, MT 59901.

1 9 5 2

A member of the teaching staff at Grinnell College, **Phil Kintner '50** spent part of his 1984-85 sabbatical in Memmingen, Germany and the rest of the year writing at home. **Anne Genung Kintner** was able to travel in Germany for a month with Phil before she had to return to her position as associate librarian and college archivist at Grinnell College.

Secretary: **Jeanne Milanette Merlanti**, 2128 Greenview Dr., Ann Arbor, MI 48103.

1 9 5 1

In October **John and Ann Menold Kenney** hosted an alumni meeting at their home in Charlotte, NC. Those in attendance not only viewed the film, "Celebration!" but also saw the passive solar addition to the Kenney home. Just a few weeks before the alumni meeting, the Kenney home was one of four solar energy-efficient structures on the 1985 Sierra Club Solar Home Tour in Charlotte. *The Charlotte Observer* featured their home in an article about the tour.

The class extends sympathy to **Allan Hjerpe** and his family on the death of his wife, Lucille Ellsworth Hjerpe '53, Oct. 26, 1985, and to **John Garver** whose wife, Meredith Hunter Garver '50, died Oct. 22, 1985.

Start making plans now to attend our 35th reunion, June 5-8.

Secretary: **Roy Adams**, Suite 308 Waterford Condominium, 12500 Edgewater Dr., Lakewood, OH 44107.

CLASS NOTES

1950

Nancy Fischer Caldwell and husband, Bill '48, are living in Silsbee, TX where Nancy is self-employed as an insurance auditor. She and Bill are parents of four grown children and the proud grandparents of five. In the last year the Caldwells have traveled to the Holy Land (Wilbur Christy '51 was a fellow traveler) and were looking forward to a trip to Europe this past summer. Nancy says, "All goes well!"

David Cornwell is now the associate dean for academic affairs in the College of Medicine at Ohio State U. World travel has been a large part of his academic life. He lectured in Japan for two weeks in 1981 and chaired a session at the 1983 International Congress in France. Future plans include a lecture at an international meeting in Hawaii this year. David says he has a diminished teaching load at O.S.U. but continues a full schedule of research and administrative duties.

Martha McCormick Cox has two children who are alumni of the College and one who is a graduate of Malone College in Canton. Marty keeps busily occupied with her position as law librarian of Stark County after having served sixteen years as an academic library director of a small Christian college. She has many interests and hobbies including tennis, reading, gardening, and keeping track of nine grandchildren. Her church is also important to her and she has served as moderator of the Muskingum Valley Presbytery.

Congratulations to **Arthur Schneider** who has been named Director, Manufacturing, British Timken. Art began his career with the company in 1950 as an industrial engineering trainee. Throughout the years he has held various engineering and management positions with the company in Colorado; Columbus, OH; Ontario, Canada; and most recently, Canton, OH. Art received an M.B.A. from Ohio State and also completed the advanced management program at Harvard University Graduate School of Business Administration. A registered professional engineer, he is a member of the American Institute of Industrial Engineers. Best wishes, Art.

Dot Shearer Crayton writes that she and husband, Phil, are spending eight months in the San Francisco area where Phil is on a research semester leave at Lawrence Livermore Labs.

Since this is my first class secretary "writing," I (**Ruthanne**) will include a few notes about the **Love** family. **Bruce** and I have lived in the Oklahoma City area for nine years, where Bruce is director of operations at the Oklahoma University Health Sciences Center. Our last child, daughter Carol, went to Baylor U in Texas this fall, while Dave is an attorney with Winston and Strawn in Chicago, and John is a designer/illustrator for the U of Alabama's department of university relations.

Bruce's brother, **Paul**, continues to serve and teach in the English department at American College, Madurai, in south India. He moved from Baring Christian College at Batala, which is in the northern state of Punjab in 1982. Hopefully, 1986 will include a visit to the U.S.

Our 35th reunion in June was wonderful with a good return of classmates. Note the class picture in the Summer issue. Ed '49 and **Ruth Carson MacAllister** were on hand from Houston. She had just retired, after twenty years, from teaching high school chemistry. Congratulations, Charlie! She planned to celebrate her freedom by traveling to New Zealand with Ed in the fall. Sons Craig and Andy are both married and living in Texas, and there are three grandchildren.

The Class extends our deep sympathy to the family of **Meredith Hunter Garver** who died Oct. 22, 1985 from cancer. She and her husband John Garver '51 lived in Bethesda, MD, following his retirement from West Point. John is chief cartographer for *National Geographic* in Washington, D.C. Meredith had fought her illness for a courageous seven years, and leaves a family of three sons, and one daughter. Memories of Meredith at Wooster remain bright and happy, and her life was truly a "celebration."

With the addition of husband William Rock to her life, **Nancy Clemens Kimbrough Rock** has "retired" as class secretary. It was fun to meet Bill at the June reunion, and in no time at all, he seemed just like one of the Wooster family. All of us thank Nancy and **Joyce** for their years of news-giving in this *Magazine*. Joyce will continue as secretary, but we both need your help. Please send notes, letters, clippings, etc. of the happenings in your life, both large and small. We appreciate it!

Secretaries: **Joyce Heath Chapman**, 812 Northwestern, Wooster, OH 44691; **Ruthanne Cooper Love**, 2017 Smokey Hollow Dr., Edmond, OK 73034.

1949

"East Tennessee still holds much charm, comfort, and good living for us," writes **Elizabeth Sgourakis Von Halle**. She had intended to stay in Oak Ridge only until she earned enough money to go to graduate school but, she says, "It's obvious that other preferences won out." Elizabeth is still employed in the area that Warren P. Spencer made so interesting, but Drosophila genetics is now a small part of her work. "The whole field of what is now called genetic toxicology (I still prefer mutagenesis) is my area of work. It got me an all-expense-paid trip to Cap d'Agde, France in May, and I am editing the papers that resulted from that workshop.

Your secretaries would like to hear from you '49ers out there!

Secretaries: **Lloyd Vandersall**, 16500 Abbey Dr., Mitchellville, MD 20716; **Elizabeth Kilgore Grandy**, 19582 Coffinberry Blvd., Cleveland, OH 44126.

1948

In Sept., **Florence Mason Cole** enjoyed her annual trip to Roanoke, VA to visit **Malcolm** and **Jean Malkin Boggs**. As always, "Great for good company, delicious food, and laughter." Florence reports that her cardiac pacemaker which was implanted in June, 1983, is working effectively and she has no excuse for neglecting her kitchen floor and other housework.

Secretaries: **Jack & Anne Taylor Hunter**, 10551 Rivulet Row, Columbia, MD 21044.

1946

Bill and **Jean Stuckert Devor** are still living at 12807 Opalocka Dr., in Chesterland, OH 44026. Jean is an active member of the Geauga County League of Women Voters, does volunteer work for her church and other organizations. Most of these projects involve publicity and P.R. work. Jean is a free-lance writer, "all strictly amateur and non-paying (unfortunately)."

Although she has retired from teaching, **Sara Roser Winkler** leads a full and busy life. She is working for her husband, Fred, who is a breeder and grower of hybrid snapdragons for the florist industry. They both enjoy their new granddaughter — the fifth grandchild. A recent trip to Hawaii "left us awestruck with the beauties of the world out there just waiting to be discovered and enjoyed."

Secretaries: **Peggy Hunter Bergreen**, 1317 Highland Terrace, Olean, NY 14760; **Elizabeth Cleveland Ewell**, 9000 Indian Ridge Rd., Cincinnati, OH 45243.

1945

Your men's secretary is happy to report that **Betty Stuckslager Towner** is alive and well. **Marian** and I had a nice visit with her and husband Steve (retired) at Kennedy Airport while waiting for connections. "Stucky" is far from retired. She is director of a nursery school on Long Island and loves it.

We also had a good visit with Bill '44 and **Marge Goldsmith Hydorn**. We stopped and stayed with them while traveling in Maine. Both are like you remember them. Two of their five children also live in Maine. Tom is finishing medical school in New Brunswick. Their six grandchildren are the light of their lives.

Jeanne Swan Garnett came to Milwaukee to visit Marian at the hospital where she was recovering from by-pass and valve surgery. Marian is home and recovering well; she expects to be back at her pottery and archaeology soon.

Notice to the men of 1945: These are all items about women of '45. While you are in Bermuda, put me on your post card list along with Aunt Jane. If I don't start hearing, expect another questionnaire. Save us both from that!

News from your women's secretary: **Zilpha Franklin Platky** is an editorial assistant on *The Capital* newspaper in Annapolis, MD. Home for Zilpha and her husband is on the waterfront of Chesapeake Bay in Edgewater, MD. The Platkys have a daughter, three sons, and five grandchildren. They visited one son in Australia for three months and would like to return.

The **Dick Reimans** of Wooster have always graciously opened their beautiful home to us at reunion time. Dick practices family medicine in Wooster and has a list of accomplishments a yard long. We saw evidence of his video-taping hobby at our 40th reunion. Wife **Margaret (Shreve)** says she is just a homemaker but she is active in many areas, especially Girl Scouts. In 1982 the Jaycees honored her as Wooster's Outstanding Citizen of the Year. She also received the Girl Scout Thank Badge, highest honor given to an adult. Dick and Margaret have three sons who went to Wooster and one daughter.

Ruth Whiston Roberts has retired as coordinator of elementary programs in S. Portland, Maine schools. Whisty enjoys gardening and Garden Club and has just become a nationally accredited flower show judge. She says she has a hard time keeping up with both parents who are in their 90s and have made their home with Ruth. Irma and Lee Whiston lead a busy life writing, speaking, and leading retreats. This winter, her parents and Ruth will be at Willowbank Hotel in Bermuda three times where Lee and Irma will preside as spiritual leaders. Ruth says, "We call ourselves the Bermuda Triangle!"

Margie Rath Stauffer, of Cleveland Heights, is involved in church work — Sunday school, women's association, Meals on Wheels, Peace-Making Advocacy, Hunger Center, Sanctuary Movement for Human Rights. When she served as president of Western Reserve Presbyterial, I (**Virginia**) met her at my church, Parma-South. We live so close but our encounters are few and far between. Dwight is editor of American Greeting Card Co. They sandwich in visits to their four children, two of whom live in exciting places like Seattle and San Francisco, and that makes for necessary travel to see the grandchildren.

Shirley Parker Price enjoys her job at Baldwin Wallace College. We are glad to hear that her infant

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grandson who required open heart surgery is doing well now. Shirley and **Betty Morgan Treadwell** had lunch together this summer at the Smithville Inn, which many of us remember fondly.

Secretaries: **Samuel Ronsheim**, RD 1, Box 65, Dansville, NY 14437; **Virginia Kroehle Wengatz**, 7450 West 130th St., Middleburg Hts., OH 44130.

1 9 4 4

The June *New York Times* article re. science educational achievements at forty-five prestigious undergraduate colleges showed Wooster looking impressive. Your letters about your lives and activities are also looking impressive!

Carlisle and **Ruth Bowman Phillips** have sent us an update on their work with the China Program of the General Board of Global Ministries. They're into their third year of this home assignment. Ruth has been responsible largely for keeping the China interpreters, speakers, around the country up to date on the latest information and holding down the China Program office. She is also acting as the area secretary for Taiwan and Hong Kong and has been teaching in two regional schools of Mission. Address: 344 Tenafly Rd., Englewood, NJ 07631.

Abbie is the new granddaughter of Orville and **Alice Burns Gilmore**. Abbie lives in Wyoming with her two sisters. The Gilmores got well acquainted with their two grandsons while their Mom was recovering from surgery. Hope you enjoyed your rest and birding in South Texas!

Bob '43 and **Marilynn Eccles August's** daughter, Alison, has her Dad's gift for writing. Before she became so busy building a home, she sold some of her poetry to American Greeting cards.

A card arrived in late summer from Peoria, Illinois from **George Mulder** as he was about to leave for Holland to visit his grandson and hear his son in concert. He was reporting also on the publishing of **Donald Coates'** new book, *Geology and Society*.

Ann **Havener's** wedding in August was wonderful — no rain. She was married on the farm of her parents, **Bill and Phyllis Johnson H.** with music provided by her brother and sister. The bride and groom are back in Maine. Son Mark and Teri were married in May in California; it was a fun family affair. Look and listen for Neal Havener's band, Oswald and the Herringbones.

Your Alumni News Editor would like to add a note of congratulations to your class secretary. In Oct. **Jane Elliott Linnell** was one of seven recipients of the 1985 outstanding Adviser Award, given by the American College Testing/National Academic Advisers Association (ACT/NACADA). Jane traveled to Kansas City, MO to accept the award.

The selection committee of ACT/NACADA bases its choices on a long list of criteria, including evidence of student progress and success, and the demonstration of a caring attitude toward advisees. Jane was unanimously nominated to compete for the award by her Michigan State University colleagues. Her colleagues said of her, "She's gone out of her way to work with handicappers, athletes, Tower Guard and Mortar Board. . . She puts her whole self into the students. The student is the most important thing to her." We join your colleagues in saluting you, Jane.

Secretaries: **Jane Elliott Linnell**, 1918 Yuma Trail, Okemos, MI 48864; **Richard F. West**, 9117 West 125th St., Palos Park, IL 60464.

1 9 4 3

Our deepest sympathy goes to **Betty Harper Le Van**, whose husband, Ray, died in August, and

whose daughter, Katie, died in September. On a happier note, Betty writes that in July, she and **Jill (Alice) Walker Thomas** and **Tillie Walker MacDonald** enjoyed a mini-reunion at Tillie's home.

Another mini-reunion was held by **Anne Harms Cox**, **Marnie Thomas Braeunig**, **Gwen Polen Barrick**, and **Marse Stark Hughes** at the home of **Phoebe Houser Hunt**, even though Phoebe was in Tucson at the time, where her sister was having major surgery.

Eileen Palmer Jacob writes that in February she and Ted took the big step — retirement. They will stay in Westfield, NJ most of the time but will spend about four of the summer months at their home at the Hideout in the Poconos. They would welcome visits from old friends.

David A. Neely and his wife, Peg Welsh '44, were fraternal workers under the Presbyterian Church in Cameroon, West Africa for twenty-three years where Dave taught at Wager Theological Seminary. After that, he was minister at First U.P. of Allegheny in Pittsburgh, PA for eight years. Since Jan., 1981, he has been minister of the First Westminster Presbyterian Church in Yonkers, NY. David is also in the Presbytery as chairperson of the committee on candidates, and in the city of Yonkers as president of the Council of Churches.

He is both an avid tennis player and watcher. David and Peg love to travel, and have traveled all over Europe and much of Africa. Peg works for the Yonkers Community Planning Council, and after retirement they hope to see some of the U.S.A.

Theirs is another Wooster family, through and through. They have three children: MaryBeth, Deborah, and John, all Wooster graduates as are their mates. Dave's sister Lois and her husband, Norm Roadarmel, are the class of 1950 and their youngest son, Jay, is a freshman at Wooster. Thanks Dave for the nice long letter.

Thanks, too, to **Janet Cole**, for your letter. Janet has lived in California for twenty-two years. She retired from teaching in 1984 after having taught there for twenty-one years. Previously, she had taught in the Cleveland school system for six years. Her childhood wish was to move to California, near where her mother's home had been as a child. Mission accomplished!

Janet has taken trips to Ireland, the British Isles, Spain, Mexico, and Hawaii. She is interested in needlepoint, gardening, and looking after two dogs. Janet writes, "I have returned frequently to Ohio to visit relatives near Cleveland, but have not attended any class reunions." How about next reunion in 1988, Janet?

Secretary: **Ida Snodgrass Arthurton**, 4737 Trina Ave., Del City, Ok 73115.

1 9 4 2

Saying goodbye: **Becky Hostetter Thorne** to her husband, Marion, after his long illness; but Becky writes she is very grateful for almost forty-one years of a happy marriage; and **Celia Retzler Gates** to her mother whom we always remember as a gracious hostess in her lovely home. We extend our sympathy to both of these class members.

Saying hello: **Lois Putman Forbes** to a new home, a condominium, The Woodhawk Club, 147 Pheasant Run, Mayfield Heights, OH 44124, after several weeks in intensive care for injuries suffered in a serious automobile accident. We are very grateful that "Put" is coming along and that Ozzie was not seriously hurt. Enjoy your new home. . . .

Dr. Dorothy Robins Mowry to a new position as associate director for seminars at the Aspen Institute for Humanistic Studies and a research associate for the Woodrow Wilson International Center for scholars in Washington. Congratulations, Rob. . . .

Mary Margaret Bell Cadwell to her daughter and grandchildren in Oberlin this summer for an extended visit. . . .

Bob Mellert '41 to retirement as of March 1 and looking forward to an interesting change of pace. . . .

Ruth Lamborn Silverthorn to Kailua, Hawaii for an extended visit, and to me, **Jean**, a wonderful phone call. We are glad to hear the new knee is behaving well — both in Japan and Hawaii.

Mary Clark Beebe and her husband, Walter, to retirement and a new home in Mason, MI, where they will be near four of their seven grandchildren. Three other grandchildren live in Phoenix, a great place to visit when winter is severe, writes Mary. . . .

Robert Dunlap to Lahore, Pakistan where he has accepted the position, once again, of medical director at the United Christian Hospital, Gulberg-3, Lahore, Pakistan. Bob and his wife **Jinny** are again working under the egis of the Presbyterian Church (USA). **Jinny's** brother, **Jerry Griffith**, a family practice physician from Florida has joined them to work for awhile. Bob and **Jinny** would welcome your letters and visits.

Saying congratulations: The class to **Leona Hering Shawver** on her appointment to assistant vice-president of Savings of America in Oxford, OH.

Saying thank you: **Jean** to **Mary Lou Chalfant** and **Anne Enfield** who help me keep in touch. . . .

Secretaries: **James Vitelli**, 100 Pennsylvania Ave., Easton, PA 18042; **Jean Hudson**, 18328 Newell Rd., Shaker Heights, OH 44122.

1 9 4 1

Retirement seems to be the order of the day. **Harry Wildblood** writes that he retired from the practice of anesthesiology June 30, 1984 and enjoying every day of it.

"Retirement is great, I highly recommend it," says **H. Gene Wallace**. She retired in Jan., 1984 from her position in the Office of the Secretary of the Department of Public Welfare in Pennsylvania. Gene continues to be active in the Pennsylvania Guild of Craftsmen and in the local chapter, Harrisburg Craftsmen, of which she is a past-president and current vice-president. She also does volunteer work for HELP, a local emergency service social agency and has just become hospitality chairman for the Scottish Society in which **Rod '42** and **Tillie (Walker '43) MacDonald** are very active. Gene keeps fit by working out at a fitness center three times a week and has never felt better.

Secretary: **Mary Elizabeth Johnsten Ellis**, 2833 Rocky Ridge, El Paso, TX 79904.

1 9 4 0

I, **Katherine**, am writing this column a week after my return from two very special October days in Wooster. The campus was beautiful, as always. The football field was a glorious emerald green. From my room at the Inn, I could hear the band and bagpipers practice. I was given a quick trip to see now-elegant doors on Scovel and Severance, and also at the back of Taylor, where the new addition east of the Little Theatre we knew has an entrance exactly the same as the arched and molded front entrance. It actually looks as though it were part of the original building.

During these two days I was lucky enough to see six classmates and chat by phone with a seventh. At the reunion several of you inquired about **Betsy Howard Mathis**. She could not be with us as she was still limited after a "slight" heart attack in February. I'm glad I could see for myself how well she looks

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now. She's enjoying playing golf. Betsy is much pleased that son Andy is now working side by side with his brother Fred, both pharmacists in a Wooster drugstore.

Betty Lorson continues to care for her 94-year-old father. In a difficult situation Betty manages to keep her sense of humor. She's an avid bird-watcher but also feeds the stray cats in the neighborhood.

Last summer Dick '41 and **Eileen Thompson Miller** went on the Wooster tour to the British Isles. They particularly enjoyed plays, shopping, and restaurants in London. Eileen and Dick have many close ties with the College and are avid fans of the Fighting Scot basketball team, going to all games, home and away.

When I talked to her, Eileen was helping Dick run for Wooster City Council. In mid-November she was to have hip replacement surgery to match her successful hip surgery of eight years ago. Her 95-year-old mother lived alone until just recently. She is now in a nursing home just north of Wooster where she is happily making new friends.

Bert and Peggy Mull Bond have a new granddaughter, Rebecca Lynn, born Sept. 5 to their son Larry and his wife. She joins an older brother and sister. The Bonds travel frequently, as you know. I didn't hear a lot about 1984's trip to Portugal, Spain and Morocco, but I saw two sets of pictures from their just-completed trip to Egypt. In fact, they were in Egypt during all the excitement of the *Achille Lauro* and heard nothing about it at the time. It was doubly fascinating to me to see these pictures, as I had just started the Kerygma Bible Study class at our church and was deep in a study of the book of Exodus and ancient Egypt. In November Bert was to leave for Florida and their mobile home next to Byron '36 and **Lucy Ormond Johnson's**. Peg will commute.

Byron and **Lucy** visited Finland July 13 to Aug. 7 to see the A.F.S. son who had lived with them. Their daughter, Ruth Yost, a medical technician late of Columbus, has remarried. She was to start a very special "think tank" job in Arizona in October.

Art and Ginny Weisenstein Correll live on a beautiful and impressively kept up farm a few miles west of Wooster. Son Jim '75 lives at home and does the farming. He is taking computer courses in Akron.

His twin Phil '75 is a colleague of **Nancy Ostrye Miner** at the Winterthur Museum and gardens in Delaware. Chuck '73 works at Rubbermaid in Wooster. He and his wife Carole Kolodziejski '70 live near Smithville. Nancy, the oldest Correll, was graduated from Carleton and has since earned a music degree at Humboldt State U in Eureka in northern California. She is currently teaching in the music department of Humboldt.

Nancy and a friend were in Japan for several months in 1982. Art and Ginny went over to visit them, and, by staying in middle-class Japanese homes that rent rooms to tourists, got a much closer look at Japan and its culture than most visitors manage.

Sally Wylie retired in Sept. after over thirty-six years of working with the Church of Christ in Thailand. Her new address: 322 Center St., Berea, KY 40403.

Louis and **Doris Wilson Blanchard** were sorry to miss our reunion. They were travelling in Zimbabwe for ten days, then had "two marvelous weeks in France (Paris and near the French Riviera)." They have been travelling to both coasts and points in between several times in 1985 from their new home in Scottsdale, AZ. In California they attended the World Games for the Deaf. In March they saw Jean and **Jameel Mubarak** in Wisconsin.

Did you see the article, "Volunteers For The Environment," in the June-July, 1984 *Modern Maturity*, featuring **Helen Smith Kubico**? I was

delighted to receive the clipping from **Carolyn Zwick Swann** via **Margie Lane Bowden**. (Please, if any of you see articles about yourselves or any of our classmates, do send them to **Frank** or me.)

Helen is a volunteer with the Tri-State Bird Rescue and Research, Inc. She works with injured and oil-soaked birds and lobbied at the Delaware State Capitol for Tri-State's first grant-in-aid.

After we saw Bill and **Carolyn Zwick Swann** at the reunion, Bill had an aneurysm "taken care of." He recuperated at their summer home on Chebeague Island in Casco Bay, ME, where he enjoyed gardening again. In August, son Dan and his wife brought four-year-old Abigail from California. Daughter Sarah and her husband Jim brought Rebecca, 5, and Jeremy, 3, from New Hampshire for a lot of fun and busyness. In the winters Carolyn and Bill enjoy a condo near Portland. Address: 61 Applegate Lane, Falmouth, ME 04105.

The class sends belated sympathy to **Betty Lewis Cassidy** on the loss of her husband Bob on Oct. 28, 1982. In June 1980, Betty retired from her social work position. She and Bob did some travelling together before his illness. After his death, Betty spent a year in southwestern Virginia near her older daughter, Deborah. Deborah and her husband with six-year-old Neal moved to Macon, GA in July, 1985. He is an associate professor of Psychology at Wesleyan College. Deborah, an M.B.A., is to teach or work in marketing.

Both Betty's sons live in Pittsburgh. In August 1984, she bought a town house at 610 Brighton Woods Rd., Pittsburgh, PA 15212. Son Michael is an attorney with one son and another child due soon after Betty wrote. Patrick, married in May, is a social worker in a private rehabilitation center. Betty's younger daughter, Carol, has a background in speech therapy and works in pharmaceutical sales in Lancaster, PA.

Betty is busy with family, volunteering at Carnegie Museum, and public TV, "etc." she says! Still she wanted more interests and this fall was to attend, part time, the Graduate School of Library Science at Pitt. How about that?

J. C. '41 and **Rachel Linnell Wynn** have each completed an era in life. J. C. retired in June from Colgate Rochester Divinity School; Rachel published her book on the Linnell family. Now they will have more time to enjoy their grandchildren, three boys and two girls, ages 2-10.

At the reunion J. C. gave me a Rochester *Times-Union* article about Rachel's six-year genealogical research project on the Linnells. It was a story about gravestone rubbings in that same newspaper that got Rachel started. One of the inscriptions printed was that of Thankful wife of Uriah Linnell. Rachel visited that nearby cemetery and went on to many others in Cape Cod, Lee and Lenox, MA, Grindstone Island, Chicago, the Midwest, and to a Captain Linnell's Restaurant in New Orleans. She took a workshop on genealogy at the Smithsonian Institute and did research at the Library of Congress, the National Archives, the D.A.R. library in Washington, state archives and historical societies and Mormon libraries. All of this effort resulted in a 437 page book, *The Descendants of Robert Linnell, a History of the Linnell Family in America*, published in 1985 in Rochester. It documents the lives of 5,600 members of the Linnell family in the U.S. Somehow, Rachel has managed also to serve on the Board of Trustees of the Downtown Presbyterian Church for four years, currently as president.

Apologies to **Eleanor Fearnley Caskey** for the erroneous report in the Summer issue concerning the location of her daughters. She has a daughter and granddaughter in Roanoke, and two daughters in Austin, TX.

Secretaries: Frank Thatcher, 1325 Warwick Dr., Lutherville, MD 21093; Katherine Olthouse Davis, 2088 Riverhill Rd., Columbus, OH 43221.

1 9 3 9

Your women's secretary has to report no new "news" — come on, gang! Back to the old '84 sheets.

Dick and **Margaret Stockdale McCoy** live in a townhouse in Sherwood Oaks, Mars, PA, a retirement community they helped organize. They still live close enough to their former home to continue their activities, as well as enjoy new friends. We're glad to have Peg represent us as an Alumni Trustee. They are active in the Society of Friends church. Good to see you at our last reunion.

One thing about Woosterites — at least our class — everyone is involved in community service. **Dorothy Waxenfelter Mills** is no exception. She listed AAUW, Chippewa Presbyterian Church Session, PA Council Homemaker, Medical Center Advisory Board, Hospice Board, two women's clubs, and an award of "Boss of the Year," A.B.W.A. Dorothy is executive director of the Home Health Aide Service. Four grown children and five grandchildren (as of '84) round out her family.

Fred and **Mildred Benedict Nast** seem to spend a lot of time travelling (sounds as though you should keep a suitcase packed!). A trip to South Africa was scheduled for last winter, including a visit to England. Their two sons, Frederick and John, are president and vice-president of a company near them, and daughter Barbara lives in England with her husband and three children (their sons have five children). The Nasts enjoy tennis and sailing, with summers spent on Lake Michigan, north of Milwaukee. Mildred is a board member of the Creative Workshop of the Wisconsin Medical College, Women's Club of Wisconsin and the College Endowment Assn. of Milwaukee.

Ethel Antles Quick and husband, Bill, moved to Milford, PA when he retired in 1980. Ethel received her M.A. degree in 1962 and is a retired elementary school teacher. Last year she was Curator of Milford's restored "Little Red Schoolhouse," where she got to play teacher without a teacher's responsibilities. She likes gardening, walking, and swimming, and is active in U.P.W., Milford Historical Society, Garden Club, and Friends of the Library. Bill and Ethel have four children; one son, William, is a 1964 Wooster grad.

Charlie '40 and **Betty Kate Rath** took a three month trip last year to the South Pacific and Far East by plane and cruise ship. They sold their home in Bethesda and moved to West Virginia, overlooking the Shenandoah River Valley, where they watch deer play. Charlie retired this year, after forty-five years in medicine, thirty-five years on the faculty at Georgetown U School of Medicine. They have four children and eight grandchildren, who keep them young. Betty's other interests are the theater, sewing, quilting. She is a member of Capital Quilters, who have won many prizes. One of their quilts is displayed on a wall of the Supreme Court. She also works with Cambodian refugee families.

La Donna Campbell Reagan keeps on the go with nature study, gardening, Dayton Music Club, DAR, and Westminster Presbyterian Church Women (in fact, she received an honorary membership in the program agency of the Presbyterian Church, USA). She and her husband, Delmar, have one son.

This summer **Ruth Bigger Wolski** went on a Presbyterian Heritage Tour of Scotland. The tour was organized by the Women's Association of the National Presbyterian Church in Washington, D.C. Ruth has been a member for many years.

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It isn't too early to start thinking about our 50th year class gift to the College. We have quite a challenge to better the Class of 1934's gift, as well as all the classes between then and 1989! Please write!

Your men's secretary received an announcement from the children of Rachel M. Cronk of Norwalk, OH and the children of **Ernest Bigelow** of Cleveland that their parents were married on Sept. 16, 1985. Rachel and Ernie were guests of Harry '43 and Ginny (Lee '42) Bigelow at our dance club in October. It was obvious that the wedding was a great happening for both of them.

Have any of you seen the class directory that members of the class of 1937 received as a gift from their fellow classmates Molly and Roger Van Bolt? The directory lists current addresses of all living members, and dates of death for deceased class members. All but nine of their classmates have been located. The time and energy devoted to producing this directory must have been enormous. The preface of the directory suggests that it would be nice to surprise fellow class members with a note or a card now that their addresses are available.

I have the same suggestion for the members of the class of 1939. It would be fun to be surprised. Note my address below.

Secretaries: Jane Neel Bretschneider, 1470 Saddle Woods Dr., Fort Myers, FL 33907; Donald H. Mills, 1521 E. 221st St., Euclid, OH 44117.

1 9 3 7

Atwood Lodge near New Philadelphia was the scene of a mini-reunion last summer for several former Woosterites. **Mollie Tilock Van Bolt** reports that she met **Margaret Beck Rinehart**, **Bernice Reid McClester**, **Lois Cook Barton** and her twin sister Louise, **Josephine Miller Budde** and Jeanne Lyle Kate '38, for lunch. Jeanne had just driven from Chicago to Canton with **Marian Frey Pratt**. It was the first time Mollie had seen Lois and Bernice since Wooster days. Lois was with us freshman year; Bernice both freshman and sophomore years. They both transferred to Ohio State. Bernice and her husband Bob recently completed their second raft trip down the Colorado River with Fred Cropp '54, geology professor at the College.

Betty Claypoole Baldrige broke a long silence last spring with a newsy letter. She and husband Bob bought a condo in Naples, FL last year and hoped to spend the entire winter there this year. Of their family Betty wrote, "We had three great children — two girls and a boy. We lost our son at age fourteen in 1964. Our oldest girl, Kay married at age forty and the day she married became a grandmother! Beverly, daughter number two, has two girls and a boy." The Baldrige Florida address: 116 Cypress Way E., Sharondale Condo E-1, Naples, FL 33942.

From her home in Tahsis B. C. Canada, **Charlotte Beals Tasker** sends best wishes on the plans for the 50th. She says, "It would indeed be a wonderful time to come and see folks once more after fifty (can you believe it?!) years. Possibly it may come about but at present it seems a long way from becoming a fact. Aside from the long distance, there is that matter of Canadian dollars being such that it takes so many to buy U.S. dollars." We do hope you can make it in '87, Charlotte.

Ruth Thompson Evans and Jim '38 made a flying trip to Ohio last June which included a visit to Ruth's ninety-nine year old aunt in Portsmouth; Jim's 50th high school reunion in Cambridge; and Saturday, June 8, at Alumni weekend in Wooster. Ruth and Jim made a special effort to attend the Alumni concert as one of the performers, Paul Fletcher '81, is a personal friend and was a student in Kansas City for a year. After the concert, they

joined Paul and his wife and Jack Russell and his family for lunch at The Barn in Smithville. Mr. Russell, of Wooster's music department, was an organ student of Jim's when they lived in Pittsburgh. After lunch the Evanses headed back to Cambridge for the big 50th banquet. Ruth was writing from Snowman's Village, CO, where they spent the summer enjoying the concerts at nearby Aspen Musical Festival.

After graduation in 1937, **Helen Alber Leibert** tried to find a job working in a chemistry lab, but no one was hiring women for such jobs then. She took a short concentrated course in shorthand and typing and after several secretarial jobs she finally found one to her liking with General Electric in a metals lab. During W.W. II she served as a WAVE officer assigned to the Chief of Naval Operations in Washington, D.C. After the war, she returned to Cleveland and G.E., and married John Leibert, a co-worker. They have four children, all of whom graduated from college, the eldest, Karen from Wooster. Helen and John both retired in 1975 and keep busy with volunteering, gardening, sewing, golf, bowling, bridge, and visiting their children and three little granddaughters. They are planning to attend the 50th festivities in '87.

Harriet Morris Carr, (with us freshman and sophomore years), writes that she is retired but only from teaching. She is active in Federated Women's Clubs, having served as president of the Dayton Clubs, General Arrangements Chairman for Ohio Federated Clubs Convention, past president of the Dayton College Club, and other club activities. A very busy lady.

On a trip to California last year to visit a new grandson, **Jeanne Getter Slack** stopped to see **Roscine Robinson Feeley** in L.A. and had a lovely visit in Ros' beautiful orderly home. Also, while she and her husband Bob were doing their "grandparenting," they saw Bill '36 and **Elaine Steele Kieffer** who live nearby in Walnut Creek. Jeanne reports the Kieffers both look great and are happy and healthy.

Although the "missing list" of classmates gets smaller and smaller, it is sad to note that the deceased list grows longer. We have just learned of the death of **Rosemary Anderson Donnelly** who died Dec. 28, 1976 in Maple Heights, OH.

Dorothea Breitwieser Gardner writes, "I'm retired and living next door to Daytona Beach. Instead of falling off hotel balconies, as the students do here, I play bridge and travel.

The class extends its sympathy to **Wendell Eckert** and his family on the death of his wife Josephine on Sept. 5, 1985. Josephine attended both the 40th and 45th class reunions, sharing with Wendell the honor of being the member traveling the furthest distance — California to Wooster.

Wesley Stoneburner advises that all is going well again after his by-pass surgery and is practicing regularly but not as vigorously as in the past. His patients won't listen to his talk of retirement. Wes says he could travel with his wife Betsy but feels it's safer to stay at home, or improve his golf game by playing more often. How about a class golf tournament in '87 for all would-be hackers and divot diggers? It could provide a real interesting and fun outing. Any interest, class?

What a nice gift we all received from the **Van Bolts** — an up-to-date class directory for all 324 members. The directory includes current addresses for all who started with us in 1933 along with the transfer students of later years. What a fantastic undertaking, Molly and Roger! We all thank you for your hours and hours of effort and a job well done. We might not be the class with the "mostest" in contributions but I'll wager we're the best documented class. Thank you again for your personal gift

to all of us and to the Alumni Office, too. Now all classmates can keep in touch with each other with the V.B. Directory. All this was done by the Van Bolts between travel trips reported earlier and prior to taking off this time for Budapest.

Tom Foster writes that since Jan. 27, 1980 was a Sunday and also his 65th birthday, what better time to pick for retirement — so he did just that. Since retirement he was an interim pastor at the Montgomery Presbyterian Church for six months, supposedly, but it lasted for fourteen. I guess he won't volunteer again soon but he says it was fun. Now after building a new home on part of the forty-two acre farm on which he was raised, he can play around there and enjoy the large woods which are part of the farm. Just call him "Tom, the woodcutter and railsplitter." Most of his time is now spent in volunteer work for the Warren County Historical Society as well as the Cincinnati Historical Society.

After Wooster, Tom taught school for two years and then spent 1939-43 at Union Theological Seminary getting his M.Div. degree. Pastorates in Texas, Tennessee, and Pennsylvania for eighteen years kept him busy, and then administrative work with the Presbyterian Board of National Missions, the Synods of Ohio and Pennsylvania for fourteen years. Tom and his wife have two boys with two of them located in Vermont and the other teaching at the U of Hawaii — no grandchildren. Present occupation, "Creative loafing."

Memorial Fund gifts have been made in the names of **Beatrice Flood Newman**, **Lois Peterson Sanborn**, **Robert H. Barrett**, **Kenneth Kate, Perry Wicks**, **Emil Albu**, and **T. Davis Cunningham**.

Norvin Hein, in his letter of Aug., 1985, wrote, "Yes, I am now forty days retired and suffering no psychic pain. When I protested to my doctor that I saw no reason for a fracture from such a little fall, he said, 'Age.'" Writing from Grindstone Island, Clayton, NY, Norvin said the fracture resulted from a fall on his granite boulders there on the island. Being on crutches, he couldn't partake in the baseball being played by his nephews so he donned his Sherlock Holmes cap and located the widow of **Ralph Weisgarber**, Margaret. She informed him that when Ralph dropped out of Wooster he went to work as a welder and continued in that line until his death from a heart attack Sept. 15, 1956. He and Margaret had two children, Charlotte and Mary. Thanks, Norvin, for locating another "lost" member.

Paul McClanahan, when writing about **Dave Cunningham**, said he had fond memories of Dave. They had roomed together for a year at Wooster and kept in touch while Dave was at Juilliard and Paul was at Union Theological Seminary. Dave was godfather to Paul's first son who was also the first child of his 1942 class at Union.

Paul Dille typed a long letter of update and apologized for not keeping in touch. In 1935 Paul left Wooster for Fenn College (now Cleveland State) in order to gain work experience thru co-op education. He received his B.A. in 1939 with work experience at Cleveland Central YMCA and NBC in New York. He was in defense work with Curtis-Wright in Columbus, OH after 1941. In 1933 he met Merle Jeanne Swineford at Chautauqua, NY and they were married in Sept., 1942. Their two boys, John and Robert, celebrate the same birth date but one year apart. John is a Ph.D. research engineer and Robert is a D.D.S. The two Dille grandchildren are age thirteen and ten.

From war work Paul went to work for Farm Bureau Insurance Co. (now Nationwide Insurance) until retirement in 1981. Eight of his thirty-six years with the company were spent in underwriting sales, and twenty-eight years in personnel and public relations. Paul and his wife are now living in Chautauqua, NY and Winter Haven, FL. Note to

CLASS NOTES

Paul: in the Spring '85 issue it was related that **Nancy Hezlep Coppersmith** spends nine weeks each summer at Chautauqua. Maybe your paths have crossed?

In the winter Paul helps his brother-in-law maintain a small citrus grove, does volunteer work for their condo, and aids the Chamber of Commerce promote the awareness of Winter Haven enterprises. The summer months include attending inspiring lectures, concerts, operas, and assorted amphitheatre programs while enjoying the sheer beauty of Chautauqua. Glad to hear from you Paul. See you at our 50th we hope.

After Wooster **Dallas Heminger** lived in South Bend, IN and worked at the Borden's Ice Cream plant until a stint in the Army Medical Corps. In 1946 he was off to McCook, IL where he was a chemist for Reynolds Metals Company. He married Elizabeth Matzelle of Chicago in 1949 and then moved to Broadview, IL where the Hemingers raised four children. They now have four grandchildren.

The next move followed retirement from Reynolds as senior chemist in 1980 and in 1983 they were off to Venice, FL for golf, tennis, walking, bridge, and square dancing to keep up their good health practices.

Belated sympathy is extended to **Tom Davis** who reports his wife passed away in 1983. Tom had by-pass surgery and is doing fine now. Retirement hasn't caught up with Tom as he is still working in the shoe department of The Bon Marche, a retail outlet for Allied stores in the Pacific northwest. "Otherwise everything else is routine." Tom also said, "his two little dogs keep him from resting on his laurels."

From Idaho **Lowell Hammond** writes that he left Wooster Dec., 1935 and went to California. He graduated from Santa Monica Junior College and then played professional football while doing duty as a life guard in the summertime. Goodyear filled in some years until his marriage to Janice Allison in Nov., 1938. They celebrated their 47th anniversary this year.

Lowell spent the war years as a navigator and then started his own business in packaging while developing Rotational Molding of Plastics in the U.S. In 1970 he sold the business and enjoyed the easy life. In 1976 he purchased 800 acres in Idaho where he harvests 320 acres of alfalfa and puts the balance of the acreage to pasture land for cattle. Lowell says he's still farming and cattle raising from May thru October. The rest of the year he and Allison make Pasadena, CA their home. Julie and Tod, the Hammonds' children, have three boys who probably whip grandpa at golf now and probably help with his backhoe work on the Idaho ranch.

Ralph Immel reports that after graduation he worked as an "ink-stained wretch" for five years with the Rittman Press and *The Canton Repository*. Ending his "scoop" days, he journeyed to California in 1943, married Connie Oestreich, and returned to Canton, OH in 1945. It was back to California in 1946 for good; however, ink stains persisted and Ralph became a technical writer and publications engineer for thirty years with Douglass Aircraft and "a company called TRW."

In 1971 he received an M.A. in English and gained teaching credentials for a community college. For the next ten years he was public information officer and part-time teacher of photography and public relations at West Los Angeles College. Ralph retired in Dec., 1982 "to clean the garage, a still unfinished task." A later letter said he's now starting to paint the house but can't quite get up the ambition all at one time for that.

The Immel's oldest daughter Pam was born in Canton, OH and Andrea in California. Trips are in order to Washington to visit Pam and their two

granddaughters. Andrea is nearby in West Hollywood. During the past years, the Immels have traveled in Europe where his "fanatic" and relentless hobby of photography has been perfected. Ralph says he still has those two tricky knees but otherwise he is in good health.

Connie Immel is the co-author of a remedial English textbook and is now working on supplementary material for computer assisted instruction — the Immels latest hobby. Plans are in the works for a visit to Japan in '86 and Wooster in '87. How come no sports columns Ralph, after all that *Voice* and *Index* experience you and I (**Brig**) collaborated on?

Apologies to **G. David Crabb** and his wife Viola R. Crabb for referring to her as Martha in a previous column. Sorry about that.

Secretaries: Martha Curt Moore, 899 Barks Ave., Marion, OH 43302; Robert Brigleb, 7822 Valley Villas Dr., Parma, OH 44130.

1 9 3 6

Our class anniversary fund committee met in October at the Inn. We had a very good attendance and very cooperative and enthusiastic support. We urge those who haven't yet contributed to do so soon. We are nearing our deadline. Remember, this is a gift from the heart, freely given out of our love for Wooster and our gratitude for the education we received many years ago.

Several wives attended the meeting with their husbands. Wooster men certainly have an eye for beauty. We have very attractive "in-laws." Come to our 50th and see for yourselves.

Marjorie Glenn Bussert told me at the lunch that she'd given herself a birthday present in the summer — eight wonderful days in Paris. She had dreamed of this while teaching French.

Harriet Knight is a name well-known in Wooster. Name any good and worthwhile group in the city, and Harriet is in it. Don't think my wheelchair is a handicap — together we know all the freight elevators on campus!

Mary Pitts Lord is looking well and keeping herself busy. In the summer she spends weekends at her "second home" in Lakeside, OH.

Secretaries: Joseph Dunlap, 420 Riverside Dr., Apt. 12-G, New York, NY 10025; Genevieve Marsh Seese, 14568 Superior Rd., Cleveland Heights, OH 44118.

1 9 3 5

We'd better face it classmates — we're now members of the Old Guard, those stalwart and caring people who keep on loving and returning. It behooves you now to come forth with news for this publication! And many thanks.

Jim Crothers, who was founding pastor of St. Andrews Presbyterian Church, Pleasant Hill, CA, recently retired. His wife Betsie died in 1984 after suffering for ten years with Alzheimer's disease. Jim was her sole care-giver for the last five of those years. In Aug., 1985 Jim married Julia Billings, a graduate of Wilson College and currently president of that Alumnae Association. They are making their new home at 286 Lake Meade Dr., East Berlin, PA 17316. We wish them great joy in their new life.

Bill Ferry, married to Mary Lewis '34, retired from active Presbyterian ministry in Jan., 1980. They still live at 1220 Wisteria Dr., Apt. A-421, Ann Arbor, MI 48104. After triple by-pass surgery in April, 1983, Bill was able to resume activities, including playing tennis. He and Mary have traveled on this continent, and to England in the spring of 1985. Volunteering on various charity boards, driving

for Social Services and Motor Meals, and most recently as Peace Pastor for the Presbytery of Detroit should help keep him busy. Fine work!

Mary or May Goheen Jeyes was an Inky girl — still is, of course. She and John, retired, live at Space T-88, 303 N. Lindsay Rd., Mesa, AZ 85203 from Nov. to April, and the rest of the year at 606-2020 Fullerton Ave., N. Vancouver, B.C. V7P3G3 Canada. Three children and nine grandchildren give them pleasure and satisfaction. May received her RN from Columbia-Presbyterian Hospital, NY in 1938, and served as a nurse in India. Her missionary background was in India, also.

This seems to have been a good year for travel to Alaska. George and I (**Fran**) were gone from July 9 to 25. **Helen Hieber Garvin** and Ed left two days after we returned, and **Bob Holmberg** and his wife Gina were gone for a fortnight in August. All of us enjoyed our experiences. Fran and George had the added interest of a short visit to her cousin Betsy Workman Heyde '37 and Dr. Ed '33, now retired almost completely from medicine in Vancouver, WA, preceding the Ferris cruise. Betsy still teaches piano. They, with their daughter Muriel, had just returned from a three-week trip to England. Charlotte Austin '34, now retired from pre-school teaching in Berkeley, was visiting the Heydes at the same time, and sent good wishes to all her old Wooster friends.

Congratulations to **Walter Crawford** who received the Rotarian Award at the Coshocton Rotary's annual Rose Day kickoff dinner in September. A past president of the Rotary, Walter received the award for his service to and outstanding achievements within the community. A member of various clubs, he also serves as organist at the Grace United Methodist Church.

New address for **Florence Cheeseman Grafton**: 4114 Swanson Blvd., Apt. 56, Wooster, OH 44691.

Secretaries: Frances Lean Ferris, 569 Bloomington Ave., Wooster, Oh 44691; Jack Pancoast, R.R. 6, Box 307, Mooresville, NC 28115.

1 9 3 4

In a follow-up letter **Evelyn Martin Knutsen** sends her address: 512 Kenosia Ave., D-11, Kent, WA 98031. She is now settled nicely in the retirement community.

Joseph Allen and Grace are back safely from 4000 miles of driving, and have 800 picture of France and Luxembourg. Future plans include two weeks in Brazil with the New York Avenue Church choir.

Dwight and **Helen Humes Lamale** spent August in Wooster, with reunions and assorted activities including a tour of the Rubbermaid factory in operation and seeing performances of Gilbert and Sullivan's *Ruddigore* and *Princess Ida*.

Secretary: Helen Hayward, 1722 Larch Ave., Apt. 414, Cincinnati, OH 45224.

1 9 3 3

Marge Below Au moved this summer to an apartment in Akron. Her new address is 900 W. Market St., 609, Akron, OH 44313.

Lois Hanna reports that she and **Genevieve Graebing Mason** spent two interesting weeks in March 1985 in Yugoslavia. One week they were in the lovely old walled city of Dubrovnik and the other they were on the beautiful island of Hvar in the Adriatic. Various side trips were made to other interesting places in Yugoslavia. They both enjoyed their visit very much.

CLASS NOTES

Indirectly it has been learned that **Kingsley Hamilton** and his wife had a trip into some of the Eastern European countries.

Ethel McCullough Schmidt, Naomi Allen Blazer, and **Betty Francis Spahn** '31 had a "delightful trip" to Holland, Belgium, and Luxembourg. Ethel says that most of her traveling since that trip has been between her home in Lakewood to Akron and Canal Fulton where her daughters live. Her son lives in New Orleans so Ethel makes frequent trips there also.

Sympathy is extended to **Janet Peters Thomas** whose husband, **Milton Nash Thomas**, died on Nov. 3, 1985. Milton was a member of our class who left Wooster after his junior year. He and Janet were married on June 17, 1938. After Milton retired as an estimator for McDowell-Wellman Engineering, they made their home in Port Richey, FL. His interests in retirement were lapidary, ceramics, and bridge. Milton and Janet were unable to attend the 50th anniversary celebration of our class in 1983 because of Milton's health problems.

Secretary: **H. Alberta Colclaser, 361 Holmes Blvd., Wooster, OH 44691.**

1 9 3 2

A newsy letter from **Eleanor Stephens Swaney** informed us that **George and Ginny Anderson Crowl** visited her in early spring, so they must be in good health again. "Their spirits were good as usual," she reports. Eleanor has put her home on the market as it is a big house with five acres — all too much for her to manage since Bob's gone. She will be in Naples, FL again this winter.

Elsie Cowden has left her farm home for an apartment in town. Since she had lived in the house all her life, it was a difficult change. Her nephew is running the farm.

Last summer, **Roenna Kamerer Koste** traveled to Australia. **Elizabeth Hodge Stanley** and husband Ben enjoyed the same trip in October.

The bad news from **Sally Wishart MacMillan** is that she had a bout with the big "C" which required a modified mastectomy in May. The good news is no further treatment is recommended and she recovered in time to enjoy a June 14 big MacMillan family reunion at Williamsburg where thirty-seven "Macs," including **Theresa**, gathered for a wonderful weekend. The celebration of Jim and Sally's 50th was included in the festivities. Last April they welcomed their ninth grandchild.

Jo Wishart, now settled in her new location in Columbus, OH, spent the summer in England. She was on campus last spring for the graduation of her grandnephew. At that time she visited with **Al Talbot**, safely home after a year in Sri Lanka and on campus for the graduation of another grandson.

Mary Fletcher has contributed an interesting feature story from the *Daily Record*, Wooster, on **Red Morrison**. The article focused on his recovery from a heart attack last spring. Red has developed a well-planned regimen for recuperation and, accompanied by his wife **Dorothy** (Galehouse '35), is walking regularly and following a diet that has brought them both great satisfaction and improved health. Congratulations to both of you.

At a meeting in the fall, **Ned Whittemore** was honored by the Presbytery of Denver, Presbyterian Church (U.S.A.) for completing fifty years since his ordination in the Presbyterian ministry. Ned was ordained by the (then) Presbytery of Westchester of the former Synod of New York. This recognition was part of a larger annual ceremony of Presbytery to honor those members who have been ordained for

ten, twenty, thirty, etc. years in the service of the Presbyterian Church.

Word has been received from **Bill Miller** of the death of his wife, **Delcie**, Sept. 5, 1985. She had suffered from the ravages of Alzheimer's disease for fifteen years. During that period her husband and family gave her loving and faithful care. The class extends sympathy to Bill and his family.

Your secretaries, **Helen** and **Ernest** are having another difficult health experience involving the male secretary. (Someone must stay healthy to do this job.) Early in June Ernie entered the hospital for minor routine surgery. Unfortunately, cancer cells were reported, so in August he underwent radical prostate surgery. The results were successful in fighting the big "C," but recovery is slow and very difficult. He is fighting with his usual determination and we hope to be able to be "on the road again" after my second cataract surgery scheduled for early January.

Secretaries: **Ernest & Helen Shields Harrison, 111 Bosley Springs Rd., 901 Imperial House, Nashville, TN 37205.**

1 9 3 1

At a meeting in the fall, **Bill Longbrake** was honored by the Presbytery of Denver, Presbyterian Church (U.S.A.) for completing fifty years since his ordination in the Presbyterian ministry. Bill was ordained by the (then) Presbytery of Toledo of the former Synod of Ohio. This recognition was part of a larger annual ceremony of Presbytery to honor those members who have been ordained for ten, twenty, thirty, etc. years in the service of the Presbyterian Church.

Ed Arm's interests and activities cover many areas. He is serving his tenth year as founder and executive secretary of the Wayne County Sports Hall of Fame, Inc., and has been selected recently by the board of the College's "W" Association to serve as official historian for them. Ed is well-qualified for this position as he has closed some "gaps" in his genealogical pursuit of his family origins. His writing activities range from corresponding with over 100 people to re-editing his story, "The Saga of a Civilian Soldier, 1942-46" for possible publication. A three month stay in Australia this winter was on the agenda.

Secretaries: **Trevor Gross, 14967 Rolling Hills Dr., Montrose, CO 81401; Katherine Schantz, 616 S. Main St., Orrville, OH 44667.**

1 9 3 0

Dean Hopkins who, with his wife **Harriet Painter** '32, has been active in Peacemaking with The Presbytery of The Western Reserve, led the discussion at the adult education class at Westminster Presbyterian Church on October 27. He also spoke briefly later in the morning at the church service. Dean and Harriet left Nov. 8 on a tour of Jordan, Israel, and Egypt, with a group led by Dr. Bruce Rigdon '58.

Secretaries: **Malcolm Stewart, 1038 W. State St., Apt. 5, Jacksonville, IL 62650; Gladys Wentworth Beeler, 581-A Williamsburg Court, Wooster, OH 44691.**

1 9 2 9

Walter Sage writes of presiding, as the surviving vice-president, at a 60th high school reunion. "Some fun, not hearing much, even with Bosch aid." The TV has lost most of its charm except for games enjoyable without sound. With

"the good half — Naydine — I took an AAA tour to Provincetown, RI and saw at least twenty whales, or perhaps it was three or four in repeat performances." Of five grandchildren, the two oldest are in George Washington U, St. Louis, and Miami of Ohio. Despite the silence and the old basketball knee, Walter hopes to see us all in 1989. Soggie's printing is excellent, but the signature just readable.

Marvin (Pete) Verhulst retired after forty-five years as a manager of the Wisconsin Food Processors Assn., but he serves as legal counsel to the association with office hours from ten to twelve on Mon., Wed., and Fri., when in residence. Golf, yardwork, and bridge take the alternate days. "Last Feb. my wife and I traveled to Australia and New Zealand. In June I went with a legal study group to the USSR, including Tashkent and other cities in central Asia. Our travels this year will be in the USA." They still live in the home they built in Madison, are in good health, and active in civic and church organizations.

Paul Shisler and his wife live in Friendship Village, Dublin, OH and are happy living in an apartment with the main meal provided and available health care. One son lives in nearby Arlington, and the other in Shelbyville, IN. There are five grandchildren. Paul continues to do some landscape architecture consulting, the latest project is for the Wooster Country Club Condominium. He hopes to see us at the 60th reunion. Eleanor Leech McMinn '28 also lives in the village. Your secretary (**Hugh**) remembers when her late husband's father was the much loved Presbyterian pastor in Blue Ash, Ohio.

Your women's secretary received news from **Ruth March Turner** that the Turner's dream was realized when they moved into their new retirement home August 22. It's "a brand new complex and we moved in the first day it was open." Their unit has two bedrooms, two baths, and a study for Ruth where she continues to work on her genealogy project. Among other benefits, they have three meals a day and maid service. New address: 1001 E. Yale Ave., Apt. 207, Denver, CO 80210.

Ruth and Dewey attended an Elderhostel at Brigham Young U in May, where they gleaned many good ideas from the genealogy course on writing family history.

Dorothy McCuskey and her sister, **Jean** '31, had an enjoyable time on a brief trip to North Carolina. Dot was honored recently by Women Aware, a group devoted to getting more women elected and appointed to boards and commissions. The citation reads: "Former Wave Commander, retired professor, concerned citizen, you continue to exhibit an appealing tenacity to your goals of raising women's sights in the field of education and in their life roles. You have personified the very qualities of educational leadership you taught for many years, sparking programs that provide scholarship opportunities through the American Association of University Women and solid programming at the Center for Women's Services through its Advisory Board. You have also taken time to enrich the lives of others who also reside in the City of Portage by strengthening the Portage Library by your service on that and other boards. You have not only traveled, but you have pointed out to others the paths to power that they might pursue." Congratulations, Dot. Your class is proud of you.

In October, I (**Lillie**) had a "fun week" in Circleville, OH visiting my daughter **Carol** '62 and my son-in-law, **Bill Campbell** '62, and family. My granddaughter, **Cathy**, a sophomore at Wooster, and her roommate, **Teka**, came to Midland and took me to the amazing Circleville Pumpkin Festival, which was in its 79th performance. Grandchildren and festivals are so much fun.

Our sympathy goes to **Dorothy Eckis Fawcett** whose husband **Randolph** died this summer; and to

CLASS NOTES

Ruth March Turner in the loss of her sister, Jean, in July.

Secretaries: **Hugh Johnston**, 14421 St. Germaine Dr., Centreville, VA 22020; **Lillie Key Edge**, 228 W. Nelson St., Midland, MI 48640.

1 9 2 8

The Wooster Symphony Orchestra held its 70th anniversary concert Nov. 3 in McGaw Chapel. It was dedicated to Daniel D. Parmelee, the founder. Tom '29 and **Betty Bunn McCullough** drove down for the concert which was magnificent. During the intermission Mr. Parmelee was presented a plaque. His response was most inspiring as he related the history of the orchestra. He is an amazing gentleman at age 94 and still teaching.

It was a pleasure to see **Alice Ricksecker Paton** at the concert and have the opportunity to catch up on her activities. She still has some piano students. Her husband Bob likes to travel so they are out of the country frequently. Last year they were in Brittany, England, Scotland, and Iceland. The past summer they went to Newfoundland where, on the campus of Memorial U in St. Johns, Bob saw Paton College named for his cousin. Of special interest to Alice was their trip to Fogo Island where her sister-in-law had lived. In the spring they look forward to a trip to Peru. Bon voyage!

Jerry Miller Morse and her husband spent the summer months at Hidden Valley Resort, Somerset, PA, to get away from Arizona's scorching summer heat. In the fall before returning to Arizona they attended the Milligan-Morse family reunion in Lewes, DE. It was a delightful occasion. One of the grandsons pedaled his bicycle all the way from Canton, OH, a distance of about 500 miles. What stamina!

Hopefully, when you made your New Year's resolutions you included sending in news for the class column. We do need your help.

Secretaries: **Floyd Maurer**, 702 Oakmont Ct., Wooster, OH 44691; **Betty Bunn McCullough**, 117205 Lake Ave., Cleveland, OH 44107.

1 9 2 7

The **Aivons (Alberta Ruse and Edward)** have now been residents of Gambrell Gardens at Ellisville, MO for over a year. They recently celebrated their 56th wedding anniversary. They were married in the old Memorial Chapel on June 16, 1929.

Please note in the obituary column of the Fall issue the death of Elwood Miner '25, husband of "**Bunny**" Roper Miner. A letter from her to the class says that the minister, in his tribute to Elwood's service to his church as elder and superintendent of the church school, spoke most of all of his beautiful singing voice. He had been active in the San Diego Symphonic Chorale and the Pacificaires. He had also served as choir director at two different churches. Their service in retirement as Volunteers in Mission under the Presbyterian Church in Egypt, Ethiopia, and India as well as their extensive travels made their life together of fifty-six years a most rewarding experience. Bunny is a retired school psychologist. We remember Elwood so well and our sympathy goes to her and to her family. Her address is 3940 Kendall St., San Diego, CA 92109.

The family of **Florence McPeck Lovett** gathered recently to celebrate her 80th birthday. Guests included family members from Ohio, Minnesota, Florida, and Connecticut. The Warren, Ohio paper carried her picture and a notation of Wooster attendance at Ohio State, the U of Pittsburgh, and

her teaching career in the Warren city and Trumbull County schools. She retired in 1967.

Wesley Kofoed sends greetings to the class by way of a letter to **Lowell Bourns**. Wesley is now a resident of Florida and was to have had cataract surgery this fall. Since many of our classmates have had such surgery we are able to appreciate his concern and wish him a speedy recovery to good vision.

You will soon be alerted to our 60th reunion of June 1987. While this gathering is not to be compared to our historic 50th it is still an important milestone and probably the last one in which we will be pushing for attendance. You might start thinking about it and considering the possibility of a sixty-year stroll from Kauke Hall to Scovel and Taylor to say nothing of one to Holden Hall and Kenarden Lodge. Some members of the class have suggested that as a relief from all the serious aspects of life at the present time we might have classmates send in anecdotes of the very funny things that happened during our college years. We already have two donations. If you have one, do send it to us.

Secretaries: **Don Raley**, 3305 Enfield Rd., NW, Canton, OH 44708; **Florence Painter Griffith**, 1577 Cleveland Rd., Wooster, OH 44691.

1 9 2 6

What luck to have **Leah Hart McNutt** and **Ibby Coyle** to attend the reunion workshop when neither **Dick Simon** nor I (**Ruth**) could! Since our 60th is so special we do hope for a large turnout as well as a handsome sum for the College Fund. We've established somewhat of a record among the classes and we'd like this to be our best effort. I'm sure all of us have many organizations we wish to help, but colleges, draught-ridden countries, jobless persons, and civil services have need to expand and new directions to follow. One only has to read the article in the Fall issue by Dr. Catherine Hess '37 to become aware of how much times have changed since '26. On such an auspicious occasion as our 60th, we hope you will want to join in the celebration and make a contribution.

Christmas cards from some of you have brightened my days but sadly not mentioned the reunion. The *Wooster Reports* arrived with news of plans for the \$5 million Music Center. It calls the plan "a long-deferred dream." Yes, at least since '26.

There were 151 of us who graduated and 93 non-graduates including such loyal '26ers as **Robert Critchfield** and **Eleanore Custer**. Surely we should have sixty returning for June 5-8, 1986.

You will receive a letter from **Dick Simon** about specifics soon and a questionnaire later. One very good news item Dick sent me was that he is doing well since his operation.

Secretary: **Ruth McCabe Jones**, 620 East Beau St., Washington, PA 15301.

1 9 2 5

Miriam Hange Penrod was one of only two members who responded to your women's secretary's plea for news. (Please, the rest of you, do return the post cards!) We are sorry to hear that Miriam's husband, Paul, has had three cataract operations and recently had a slight stroke, but are glad that he is making a good recovery.

The other respondent was from a friend of **Esther Grether**, who sends us the sad news that Esther's right side is completely paralyzed and she cannot write. Her friend wishes to encourage Esther's other friends to remember her with cards at Monte Vista Homes, 2889 Pasqual, Apt. 37-A, Pasadena, CA 91107.

On a happier note, we congratulate **Grace Moyer Luce** on the well-deserved recognition, and the beautiful plaque given her recently by the Mahoning Valley group of the United Nations organization. Grace has made an outstanding record in the sale of UNICEF cards in the area.

Lena Crist Frigard has fond memories of her days at the College. She taught school many years and raised five children. Lena is now confined to bed with M.S. but has a wonderful husband and part-time housekeeper which makes it possible for her to be at home. She would enjoy hearing from classmates. Address: 383 Church St., Belleville, MI 48111.

In Sept. **Ruth Perkins Cropp** sent to your men's secretary the obituary for **Elwood Miner** which appeared in a Pacific Beach, CA newspaper. Elwood and Beatrice ("Bunny") Roper Miner '27 have resided in Pacific Beach since 1948. After the Miners retired in 1970 they served as Volunteers In Mission. The members of the class of 1925 extend to Bunny and her family their sincere sympathy and condolences. Elwood's obituary appeared in the Fall issue of the *Magazine*.

Secretaries: **Alice Robertson Swager**, 329 Village Park Dr., Williamsville, NY 14221; **Earl Dennis**, 4838 Butterworth Pl. NW, Washington, DC 20016.

1 9 2 4

Nettie Herget Winans is now living in Helen Purcell Retirement Home, 1854 Norwood Blvd., Zanesville, OH 43701, but that doesn't mean that she has really retired. She keeps busy with AAUW, community concerts, and church administrative activities. When she and her late husband were in business in Marietta she was involved in volunteer work, civic, and church affairs.

On Oct. 31, 1985, **Harold Gwynne** completed nineteen years of retirement living. His last pastorate was in Lakewood, OH. He is thankful for these years and for the adequate support he receives from Social Security and church pension. Harold has had two stays in hospitals, but at present his health is "very good for one well along in his 87th year." He now lives in Clearwater, FL. He enjoyed three trips north this year — one in March to attend his granddaughter's wedding, one to visit his daughter Ruth in Ontario, and one to attend a family reunion in Vermilion, OH.

Congratulations to **Ellen Campbell** who received a special award from the Friends of the Ashland College Library during the group's annual meeting in October. The award honored Ellen for "inspirational teaching which revealed the joys of reading and good books to generations of Ashland students." A teacher for forty-nine years, she taught at Ashland High School as well as Ashland College.

My sister Gladys '31 and I (**Betty**) had an interesting week in Wooster in July when we attended Synod School for the third time. I'd like to recommend this activity to everyone. There was a class in the morning and one in the afternoon, with optional meetings in the evening. We stayed in Holden wing. The food was so good that I gained a much needed pound. My sister and I still live in our parental home and keep busy with church and volunteer work, such as working at the Red Cross and delivering mobile meals. I am chaplain of our local DAR.

Secretary: **Elizabeth Hower**, 437 Trumbull Ave., SE, Warren, OH 44483.

1 9 2 3

The class extends sympathy to **John Stewart**, whose wife died on May 8, 1985. John writes, "She

was also my best friend. Now she rests in peace." In October he set out on a trip, flying from Philadelphia to Canada and from there to Vancouver by train.

"From Vancouver I sailed on the *Rotterdam* to Alaska. One week in Alaska was more than sufficient. On my return to Vancouver I saw friends in Woodinville, WA and then to Spokane to visit my granddaughter. Returned to Seattle and took Amtrack to San Francisco. After a few days rest my brother and I went to see our sister Miriam Jacobson in Porterville, CA. Several days later I went for a week's stay in Hawaii. Of course it was a non-stop flight. The rest of the journey to Philadelphia was via air. I thought that if I didn't go soon I would not go at all. You see, I am eighty-three years old and legally blind." We are glad you took the trip, John. He is now in his apartment in Twining Village and joins in "trivia, current events, and any other sport that does not require much thinking."

Secretaries: *Mercy Townsend Voelkel*, West View Manor, 1715 Mechanicsburg Rd., Wooster, OH 44691; *Gladys Ferguson*, 541-D, Williamsburg Apts., Wooster, OH 44691.

1922

A surprise letter from **Lucia Andrews McConn** brought the news that in 1979 she "Gave up my home in Sun City when my doctor advised I should not live alone. For the past five years I have been living in Escondido, CA with my eldest son Tom. Although the doctor had predicted "that the end was imminent," I have averaged trips to the coronary care unit periodically, and seem to be one "that the Lord rejects and the doctor won't have." Lucia spends the summers with her daughter in Indiana. Three of her eight grandchildren are in college and the others are establishing their careers.

She reported that **Margaret "Bar" Keller Ippenlatz**, who was with us for two years, died late in June, 1985, from a heart attack. She was living in California.

Lucia also reported that **Katherine Faust Schickram**, living in Dumright, OK, celebrated sixty-three years of marriage. Katherine was honored as "Woman of the Year" for having founded and served over fifty years on the city library board.

In Feb., I (**Mary**) had a fine letter from **Richard "Dick" Mezzotero**. He sent a sonnet, written by his wife Alice, to "picture" the kind of winter weather they had experienced during the past season.

In the local newspaper, your secretary saw the name of **Ruth Becker Blanchard** in relation to the Titanic. Did you see the article about her in the Fall *Magazine*? I also saw the name of **John "Jack" Charlton** in the newspaper.

Secretary: *Mary Arnold*, P.O. Box 343, Cambridge, OH 43725.

1918

Merrell Weaver writes that he would like to hear from classmates. His address: 40 Garden Rd., Columbus, OH 43214.

1916

For the past sixteen years, **Rebekah Davis Eddy** has been living in the Florida United Presbyterian Homes. She writes, "This is a beautiful place right on the lake." Rebekah finds the people thoughtful and helpful and she couldn't be happier.

BIRTHS

'63 To **Mardelle and Larry Amstutz**, daughter **Katherine Elizabeth**, born July 10, 1985, and received in their care on July 12, 1985.

'66 To **Mildred and John McCreight**, daughter **Amanda Rose**, July 28, 1985, joining brother John. To **Margie Lubet and Peter Longini**, daughter **Andrea Joan**, Sept. 9, 1985.

To **Julie Ramsey and Bruce E. Bigelow**, daughter **Katherine Ramsey**, Oct. 21, 1985.

'68 To **Julia and Richard A. Kerr**, first child, **Ross Campbell**, April 25, 1985.

'69 To **David and Elizabeth Wessler Thomson**, son **Kenneth George**, March 24, 1985. To **James Levison and Louise Cochran**, daughter **Dorothy Elizabeth**, Feb. 15, 1985.

'71 To **Polly and Keith Griffin**, son **Daniel Wesley**, Oct. 16, 1985, joining brother **Page**, 5. To **Jennifer and Donald Dewald**, son **Jonathan Barbour**, Oct. 11, 1985.

To **Richard '69 and Bettie Witherspoon Votra**, daughter **Katherine Elizabeth**, March 8, 1985.

'72 To **Thomas and Kathleen Singer Mumaw**, son **Brian James**, May 8, 1985, joining **David** born Oct. 1983.

'73 To **Mark '72 and Ann Timmermann Smith**, son **Colin Vernon**, March 15, 1985, joining brother **Owen**, 3.

To **Timothy '71 and Susan Whitney Baab**, daughter **Emily Susanne**, Sept. 25, 1985, joining brother **Joey**.

To **Rick and Marcia Rooker Lee**, son **Daniel Earl**, Jan. 9, 1985.

To **Susan and Mark Vogelgesang**, daughter **Christine Louise**, May 22, 1985.

'74 To **Jim and Ruth Rodriguez Parris**, daughter **Caroline Anne**, Sept. 10, 1985, joining **Lucas**, 4.

To **Christopher and Shanda Franck Nicely**, son **Cody Franck**, Sept. 23, 1985.

To **Charles '73 and Laurel Sacha Case**, first child, **William Campbell**, Aug. 11, 1985.

'75 To **Michael and Liza Cameron Eckstein**, second child, **Brittany Cameron**, Aug. 16, 1985.

To **Anne and Wayne Zacour**, son **Paul Douglas**, Oct. 19, 1985.

'76 To **William Powers and Karen McElvany**, first child, **Katherine Elizabeth**, Dec. 2, 1984.

To **Pam and Dan Hayba**, son **Nathan Ross**, Sept. 29, 1985.

'77 To **Steven and Ann Adamson Trower**, daughter **Rachael Ann**, Nov. 9, 1985.

To **David and Bernadette Barone Choura**, first child, **Brigitte Justine**, Aug. 4, 1985.

'78 To **Gailen and Lynn Mentzinger Hull**, second son, **Andrew Richard**, May 16, 1985, joining **Christopher**, 3.

'82 To **John and Jane Cairns Murray**, daughter **Aileen Cairns**, July 28, 1985.

MARRIAGES

'74 **Susan Meier** and **Henry Snedeker**, Sept. 28, 1985. **William Rahn** and **Ann Scoggins**, May 11, 1985.

'77 **Christine Mosher** and **Terrance Carrabine**, Nov. 1, 1985.

'80 **Carol Fisher** and **David Gray**, Dec. 21, 1985.

'81 **Tom Litzler** and **Ann Lovernick**, Sept. 28, 1985. **Loraine Wilder** and **Craig Powell**, Nov. 23, 1985.

'82 **Lisa Vodak** and **Joe Pianeccki**, Sept. 14, 1985.

'83 **Jean Bolton** and **Jeffrey Todd**, Oct. 26, 1985. **Kelly Mortensen** and **Tom Hebble**, Sept. 14, 1985. **Julie Pryor** and **Keith Housman**, Oct. 19, 1985. **Amanda White** and **Jihad Assaf**, Oct. 7, 1985.

'84 **Jackie Addis** and **Bob Sullivan '83**, Aug. 17, 1985. **Jennifer Yoder** and **Robert Strouse**, Oct. 5, 1985.

'85 **Patrick Lauber** and **Jennifer Ripley**, Aug. 24, 1985.

OBITUARIES

x'15 **Marie Taylor Linsenmayer**, Dec. 21, 1977, of Coshocton, OH. She received her B.A. degree from Muskingum College and was a retired teacher. There are no known survivors.

'17 **Ethel Mary Stonehill**, June 22, 1985, at Timken Mercy Medical Center, Canton, OH. A retired teacher, Miss Stonehill earned an M.A. degree from Columbia University. She taught at McKinley High School for thirty-nine years after teaching three years in Amherst, OH. Miss Stonehill was a member of Martin Luther Lutheran Church, Canton Scholarship Foundation, professional teacher's associations, Stark Historical Society, and Canton College Club. She is survived by her sister, **Leah Stonehill**.

'20 **M. Isabel Knowles**, July 11, 1985, in Memorial Hospital, Ardeen, OK. She held M.A. and Ph.D. degrees from the University of Wisconsin. Her retirement in 1967 came after a career in education that included eleven years with high schools of Fremont and Kearney, NE, several years at Hastings College, NE, and twenty-five years as professor of history at The University of Wisconsin, Extension Division, in Madison. Membership in AAUW, Delta Kappa Gamma, P.E.O., Madison Civic Club, American Historical Association, and American Association of University Professors were among her many interests. She is listed in *Who's Who in American Education*. There are no known survivors.

'23 **Franz O. Christopher**, August 15, 1985, in Sebring, OH. A minister with a S.T.B. degree from Western Theological Seminary, Pittsburgh, and a S.T.M. from Boston University School of Theology, he gave forty-two years of service to the Methodist Church. Upon retirement in 1967, he and his wife moved to New York City where they both worked at the Church Center for the United Nations in the office of Reservation and Coordination. During his career, Rev. Christopher held pastorates in Massachusetts and Pennsylvania, and for five years was superintendent of Allegheny District, Pittsburgh Conference of the Methodist Church. In 1961 he went to Alaska where he spent seven years in mission work. From 1969 to 1972 he was supply minister at Duncan Falls, Ohio, U. Methodist Church. His wife, **Dorothy**, a daughter, a son, and several grandchildren survive.

x'24 **Charlotte Jackson Van Metre**, June 27, 1985. She received her B.S. degree from Carnegie Institute of Technology and devoted most of her life to social work in New York City. Her husband, a professor at Columbia University, preceded her in death. Mrs. Van Metre spent her last years at Laguna Hills, CA. She is survived by two sisters.

x'26 **Arthur J. V. Durbin**, June 28, 1985, at Veterans Hospital in Togus, ME. He served in the Army during World War I and later graduated from Auburn Theological Seminary in Ohio. From 1930-43 Rev. Durbin served two Presbyterian Churches in New York and from 1943-50 was the director of the USO in California, the Philippines, and Japan. His

CLASS NOTES

later pastorates included the Presbyterian Church in Detroit, MI, and the Greeley Presbyterian Church in St. Louis, MO.

After retirement Rev. Durbin remained active in community and state affairs. He was a member of the board of directors of the Christian Civic League; served on the board of directors of the Salvation Army in Waterville, ME, and the board of commissioners of Waterville Housing Authority. A strong advocate for senior citizens, Rev. Durbin organized several senior citizen centers in Central Maine and was a member of the Governor's Task Force on problems of the aged. He continued to minister to the needs of others by serving as a volunteer chaplain in local hospitals and nursing homes. Surviving are his wife, Evelyn; two daughters, Mrs. Joan Dimmitt, Mrs. Shirley Bogren; several grandchildren; two sisters, Clara A. Durbin '29, and Laura Ganoung x'31.

x'27 Edna Fetzer Weiss, Nov. 13, 1985, in Sebring, OH. She spent her freshman and sophomore years at the College, then married Lister O. Weiss, Wooster '20, a teacher of high school mathematics in Akron, OH. Holding on to her dream of becoming a teacher, Mrs. Weiss resumed her formal education after the two older children were through school, and graduated With Distinction from Akron University in 1955. She devoted her career to experimental teaching in Akron: taught a core curriculum for gifted children, initiated team teaching at one of the high schools, and edited three creative writing booklets.

For many years she taught church school classes, directed church youth activities, wrote and directed religious plays for young people. She was involved in the activities and programs of local, state, and national education associations. In 1964 she and her husband were recipients of Wooster's Distinguished Alumni Award. Survivors include her husband, Lister, son Larry '51, daughters Dorothy Grabel '49 and Judy Bauer '65, her sister, Doris Richard '31, and nine grandchildren.

x'29 Lucile Oeffler Juntunen, Oct. 2, 1985, in L'Anse, MI. She received her B.A. degree from Ohio State U and was an elementary school teacher. From 1942-45 she served in the Women's Army Corps. Mrs. Juntunen was a member of the United Lutheran Church of L'Anse. She is survived by her husband Peter and one sister.

'31 Gail M. Lance, Oct. 24, 1985, in Rittman, OH, where she lived most of her life. She received an M.A. degree from New York University. Miss Lance had taught English and Spanish for thirty-eight years in the Rittman school system, before retiring in 1971. She was a member and former Sunday School superintendent of Milton United Presbyterian Church, and a former member of Three Arts Club and Olla Podrida. There are no immediate survivors.

'33 Milton N. Thomas, Nov. 3, 1985, in Port Richey, FL. For thirty-six years Mr. Thomas was an engineer with McDowell-Wellman Engineering in Cleveland, OH. He retired in 1973 and in 1975 he and his wife, Janet (Peters '33) Thomas, moved to Florida. Mr. Thomas was a member of Pasco League of Women Voters, and was interested in local government and the affairs of Pasco County. His wife survives.

x'35 Donald E. Lease, July 23, 1985, in Salem, OH, following a six-month illness. He received a D.D.S. degree from the College of Dentistry, Western Reserve University. During World War II Dr. Lease served in the U.S. Navy Dental Corps. He retired from active practice of dentistry in 1973. An active member of his community, Dr. Lease was elected to the Salem Board of Education in 1959 and served for

many years on the Salem Board of Health. Through the American Field Service organization he sponsored the first foreign exchange student in Salem. Dr. Lease was preceded in death by his first wife in 1968. Surviving are his wife Cherie; son Thomas; daughter Polly Jo Peterson; a stepdaughter and stepson; two grandchildren; one sister, Anna Ellithorp x'41 (Mrs. Dean).

x'37 Alfred H. Pollak, Sept. 18, 1976, in Idaho Springs, CO. During W.W. II he served in the Army Air Force. Mr. Pollak was a claims examiner for the Veterans Administration Hospital in Denver, CO, until ill health forced his retirement. He is survived by his sister-in-law, Ruetta Pollak.

x'37 Jonathan S. Thatcher, a physician, Jan. 25, 1985, in Red Bluff, CA. He received a B.S. degree from the U of Washington and his Ph.D. and M.D. degrees from Ohio State University. Dr. Thatcher is survived by his wife, Ruth Irving '36, and his sister, Virginia S. Thatcher x'38.

x'40 Mary Hough Snyder, March 6, 1985, at Wooster Community Hospital, Wooster, OH. A graduate of Asbury College in Wilmore, KY, she also did postgraduate work at Ashland and Malone Colleges. During her career as a social worker, Mrs. Snyder had been employed at welfare offices in Millersburg and Wooster; at Apple Creek Developmental Center and the Aid for Aged; and was a probation officer for girls. She then taught at Parkview Elementary School for ten years until 1980, after which she was a postal clerk at a substation for two years. Surviving are her husband, Lee; two daughters; one son; one sister, Pauline Garver '32 (Mrs. Glenn); one brother, Rev. James Hough '37.

'42 Bruce G. MacMillan, Sept. 19, 1985, founder and first chief of staff of the Shriners Burns Institute, Cincinnati Unit. He received his M.D. degree from the U of Cincinnati. From 1955 to 1957 Dr. MacMillan served as a major in the surgical research unit at Brooke Army Medical Center, Fort Sam Houston, San Antonio, TX. He taught surgery at the U of Cincinnati Medical College from 1952-85 and was on the attending staff of UC hospitals, Holmes and General divisions, and the active staff of Children's Hospital, Cincinnati.

In 1964 Dr. MacMillan was named chief of staff at the Shriners Burns Institute and retired in May 1985. For his contributions in the field of burns pathology and treatment, Dr. MacMillan was awarded the G. Whitaker International Burns Prize in Palermo, Italy, this year. He was a member of numerous professional organizations and author or co-author of 172 scientific articles. Surviving are his wife Jeanette; two sons, John and Gregg '70; five grandchildren; two brothers, James '44 and Robert; one sister, Elizabeth Beard '45 (Mrs. Robert).

'53 Lucille Ellsworth Hjerpe, of Topanga, CA, Oct. 26, 1985. She received an M.A. degree from the U of Southern California. Mrs. Hjerpe had taught English for twenty-five years in the Los Angeles public school system. She was active in the musical circles of Southern California where she performed and lectured on folk music and folklore. As an artist, Mrs. Hjerpe specialized in Topanga wild flowers. Surviving are her husband, Allan '51; two sons, David and Thomas; one sister.

x'58 William G. Palmer, May 1, 1985, at Johns Hopkins University Hospital, MD, after a long illness associated with his service in the army in the late '50s. He graduated from SUNY, Albany, in 1961. Mr. Palmer taught junior high social studies and English for twenty-four years, seventeen of those years at Williamson Central School in New York. He was active in Lions Club International, New York State United Teachers Association, the Numismatic Society, and the Sodus Point Golf Club. Surviving are his wife, Nancy, three daughters and two grandchildren.

'60 Daniel E. Youngdahl, April 18, 1985, of pneumonia following a long illness. He received his M.M. degree from Michigan State University and taught elementary and secondary music for ten years in Michigan public schools. In 1972 he became a member of the music faculty of the College of Cultural Studies at Governors State U in Illinois, until leukemia forced his retirement in 1978.

Mr. Youngdahl was active in the socialist movement and devoted the last seven years of his life to various movements for social justice including anti-nuclear power, civil rights, and against U.S. involvement in Central America. An avid gardener, his rose won the 1984 Champion of Champions at the Twin Cities British Style Rose Show. Survivors include son David, daughters Janet x'85 and Emily, two stepchildren, and one grandchild.

'78 Thomas A. Edson was killed September 2, 1985, in a motorcycle accident near Pittsburgh, where he lived. He was always enthusiastic about sports and while at the College was a member of the lacrosse team and Seventh Section. He is survived by his parents and a brother, James '80, all of whom live in Pittsburgh.

x'81 Mary E. Schaefer, June 24, 1985. She received her B.A. degree from the U of Miami in Florida and had been studying clinical psychology at the U of Southern California. Ms. Schaefer was predeceased by her parents.

We have received word of the following deaths but have no further information:

x'22 Margaret Keller Iuppenlatz, June, 1985.
x'23 Ruth Saurer Barnhart, '27 Lawson H. Wiggins, Dec. 23, 1983. **x'29 Willa Jean Graham Blattner**, July 28, 1982. **'29 Grace Armstrong Winkler**, Aug. 25, 1985.
x'32 Alfred O. Aulabaugh, Aug. 15, 1985. **x'32 Clare A. Hunter**, 1984. **'43 Jean Hurst Rocha**, Jan. 20, 1984.
x'79 Leonard L. Saxton, Jr., May 10, 1985.

The following obituaries will appear in the Spring issue:

x'24 Willis W. Miller, March 18, 1985.
'27 Robert B. Jameson, January 25, 1986.
'30 Charles A. Dilley, January 27, 1986.

FAMILY NOTES

Miss Aileen Dunham, professor emerita of history, has a new address: Smithville-Western Care Center, 4110 Smithville Western Rd., Wooster, OH 44691.

Alma Spencer Chittum died May 30, 1985. She was the widow of John W. Chittum, longtime professor and chairman of the department of chemistry at the College. She shared her husband's interest and support of various peace movements and human rights groups. Mrs. Chittum was active in women's organizations of the church on local and district levels, and was especially interested in national and world missions. We extend sympathy to her daughter Eileen Cornelius '51 (Mrs. Earl), son J. Raymond Chittum '48, and son Roger D. Chittum '61.

Behind the New Look

Notice anything different about the Wooster Alumni Magazine?

Take another look. The front cover is in color. There are new department headings, a new table of contents, more photography and more illustrations. In fact, the *Magazine* has a whole new format designed to make it more enjoyable to read.

Appropriately, the new design is the work of an alumna, Andrea Metzler '75, and her firm, The Pacific Marketing Group of San Francisco. A diversified marketing services agency, PMG was formed by Andrea and her partner after a six-year marketing career with R.J. Reynolds.

"We've given the *Magazine* more visual pizzazz — more visual excitement — so it is easier and more enticing to read," says Andrea.

The design team began work on the *Magazine* in late September, 1985. Their first step was to conduct a survey to find out what the "competition" was doing. Andrea's group reviewed other alumni magazines and a variety of news and feature-oriented publications as well as other College of Wooster materials. From this pool of information, the group established broad parameters of style and format that they felt were successful as well as appropriate for the College.

Simultaneously, a questionnaire was distributed to Wooster alumni asking for their thoughts about the *Magazine*.

"I also spent a fair amount of time talking with other alumni — finding out what they thought about the *Magazine* and how they felt it could be made better," says Andrea.



Members of the team which created the Magazine's new look. Seated, left to right: Andrea Metzler '75, Cheryl Harrison. Standing: Deborah Gallin, Tom Horton, Peter Johns, Leslie Fleming.

The design team saw the *Magazine* as a link — a physical, emotional and intellectual link — between the alumni body and the campus. As such, they thought it important that the *Magazine's* style capture the personality of the College (the vitality and excitement that is evident everywhere on the campus) as well as showcase its many achievements. In addition, because the *Magazine* is read by three different generations, the team wanted to balance Wooster's rich heritage with its contem-

porary involvements.

The format had to be easy to read and above all flexible, to accommodate articles of varying lengths as well as the creative use of photography and illustration. It also had to fit within the capabilities of the *Magazine's* printer.

"Now we were down to the nitty-gritty: Actually putting ideas on paper and trying them on for size," says Andrea.

Harrison Design Group, PMG's affiliate, came up with 25 format variations including treatments for the logotype, colors, grid system and type styles.

"We mixed and matched variables until we found a combination that we felt met all our criteria. Continuity with the current design was important to us, so, in the case of the logotype ['Wooster' on the front cover], we simply enhanced and contemporized the existing type

style. In other areas, such as the grid system for laying out the pages, we added new elements to spark interest and make the articles more readable," explained Cheryl Harrison.

Copywriter Deborah Gallin developed the department headings.

From the original 25 concepts, executions of three formats were presented on campus in November. What you see before you now is yet another refinement of the those variations.

"After being away for 10 years, I appreciate the opportunity to return something to the College. We believe the changes enhance the *Wooster Alumni Magazine*," says Andrea, "so that it can serve the College more fully."



An interferometer purchased in 1943 (lower right) contrasts with the modern lines of Taylor's new atrium and skylight in this photograph by Rob Muir '68.

