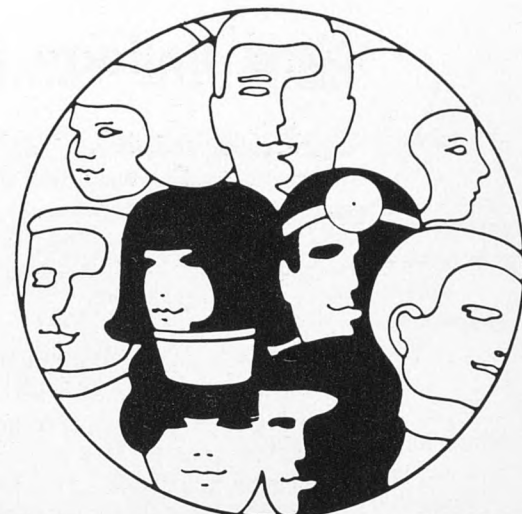


BARNES

Barnes Medical Center, St. Louis, Mo.

HOSPITAL BULLETIN

March, 1971



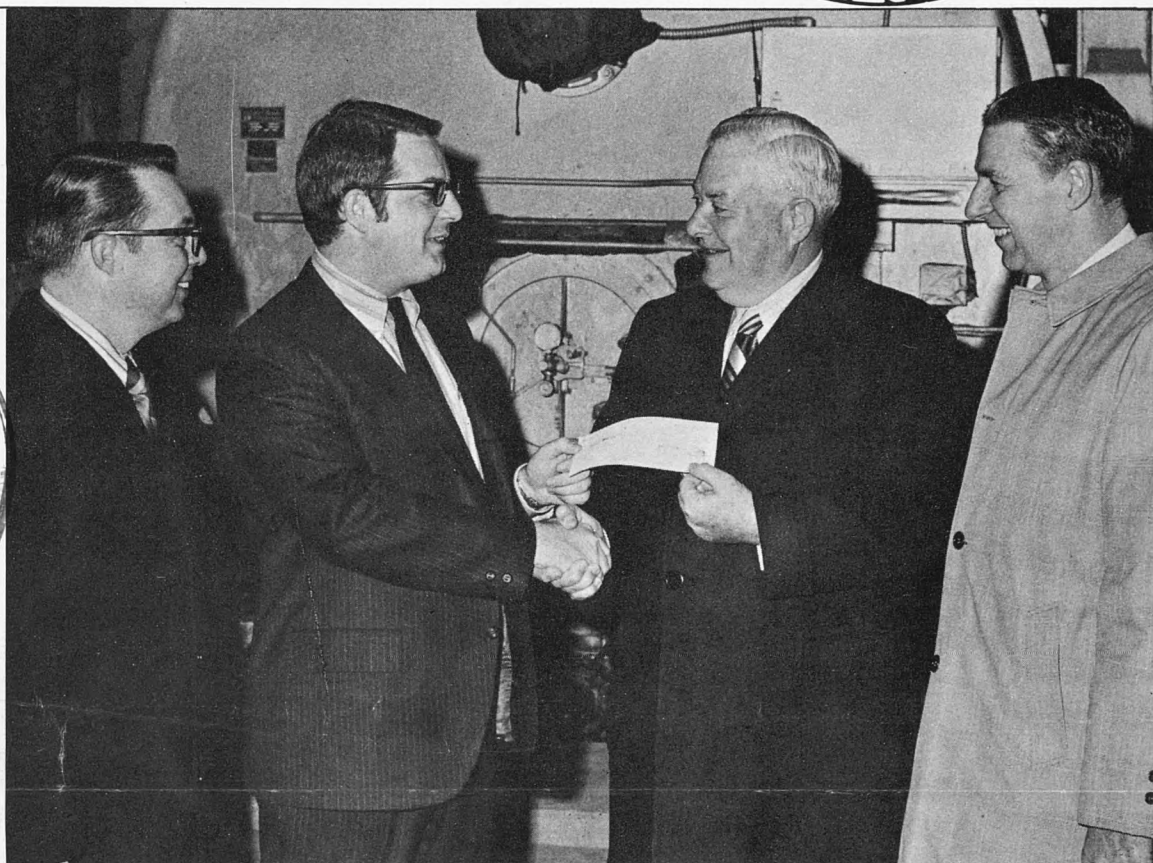
Ford Motor Co. Pledges \$50,000 To Barnes' Fund

Ford Motor Company recently made the first payment on a \$50,000 gift to the Barnes Hospital Fund. The contribution marked the achievement of eighty per cent of the Fund's goal of \$12,600,000; for the Ford pledge was made on a challenge basis—to be paid only when the campaign had reached this point.

Raymond E. Rowland, chairman of the Barnes Hospital Board of Trustees, accepted the check from Larry J. Miller, controller of the Ford Motor Company St. Louis Assembly Plant in Hazelwood.

The money raised by the Barnes Hospital Fund campaign will finance the hospital's share of the \$23,600,000 East Pavilion building now being constructed at the east side of Barnes Hospital Plaza. Washington University School of Medicine will assume part of the cost of construction.

The new building will contain twelve above ground and two sub level floors. Projected completion date is fall of 1972.



Ford Motor Company's payment on a \$50,000 pledge to the Barnes Hospital Fund was presented recently to Raymond E. Rowland, president of the hospital's board of trustees, second from the right, by officials of the Ford St. Louis Assembly Plant at Hazelwood. Representing the Ford Motor Company at the presentation were Larry J. Miller, plant controller, and H. W. Mason, assistant plant manager, right. Standing at the left is Robert E. Frank, director of the hospital.

New Intensive Care Unit to Be Built



Dr. Clarence Weldon, Barnes' cardio-thoracic surgeon-in-chief, discusses plans for the new surgical intensive care unit.

A four-bed cardio-thoracic surgical intensive care unit, featuring continuous computer monitoring of critically-ill post-operative patients, is scheduled to open at Barnes Hospital in late 1971.

Dr. Clarence Weldon, cardio-thoracic surgeon-in-chief at Barnes Hospital, will be in charge of the unit and Dr. Richard Clark, his associate, will assume the duties of acting coordinator between the various groups involved in the renovation.

In the new intensive care unit, advanced computer hardware and software will be utilized, in addition to proven computer techniques which are employed in the few existing surgical intensive care units in the U. S.

The design of the new unit is a product of collaboration between Barnes Hospital, Washington University's Biomedical Computer Laboratory, and the division of cardio-thoracic surgery. The new unit will be primarily for post-operative patients who have undergone open-heart surgery and other major thoracic operations. Facilities will be available within the intensive care unit for future transplant patients.

The critically-ill patients will be continuously monitored by physiological sensors and

(Continued on page 8)

New Wayco Addition Opened; To Provide More Parking Space

The new concrete portable 425-space extension of the Wayco Parking garage, built by Washington University, at Audubon and Euclid Avenues was opened on February 1, almost seven months after construction work was begun on the project.

Ken Kellerman, a spokesman for the Wayco Petroleum Co., which operates the garage, said that there has been a steady increase in the number of cars that are parked daily in the new facility. He noted that gradually more people are becoming aware that the new facility itself is now open and there could be vacant parking spaces available.

Anyone can park their vehicle in the newly-opened section on a "hunt and search" basis. Mr. Kellerman said that there will be no additional reserved spaces available in the garage basement, but \$12.50 "hunt and search" permits will be sold to individuals who make application directly to the parking garage attendant.

Mr. Kellerman said that "no major problems" have been caused by confused drivers who are entering the garage for their first time. Clearly-marked directional signs indicate which ramps to take to and from the second and third-floor levels, he said.

(Continued on page 6)

New Balloon Pump Implanted Here Sustains Patient for 20 Days

A 61-year-old woman, who had suffered a massive coronary attack, was sustained for more than 20 days last August by a heart assist device, known as the "Kantrowitz Balloon Pump," which was implanted by the Barnes' medical staff.

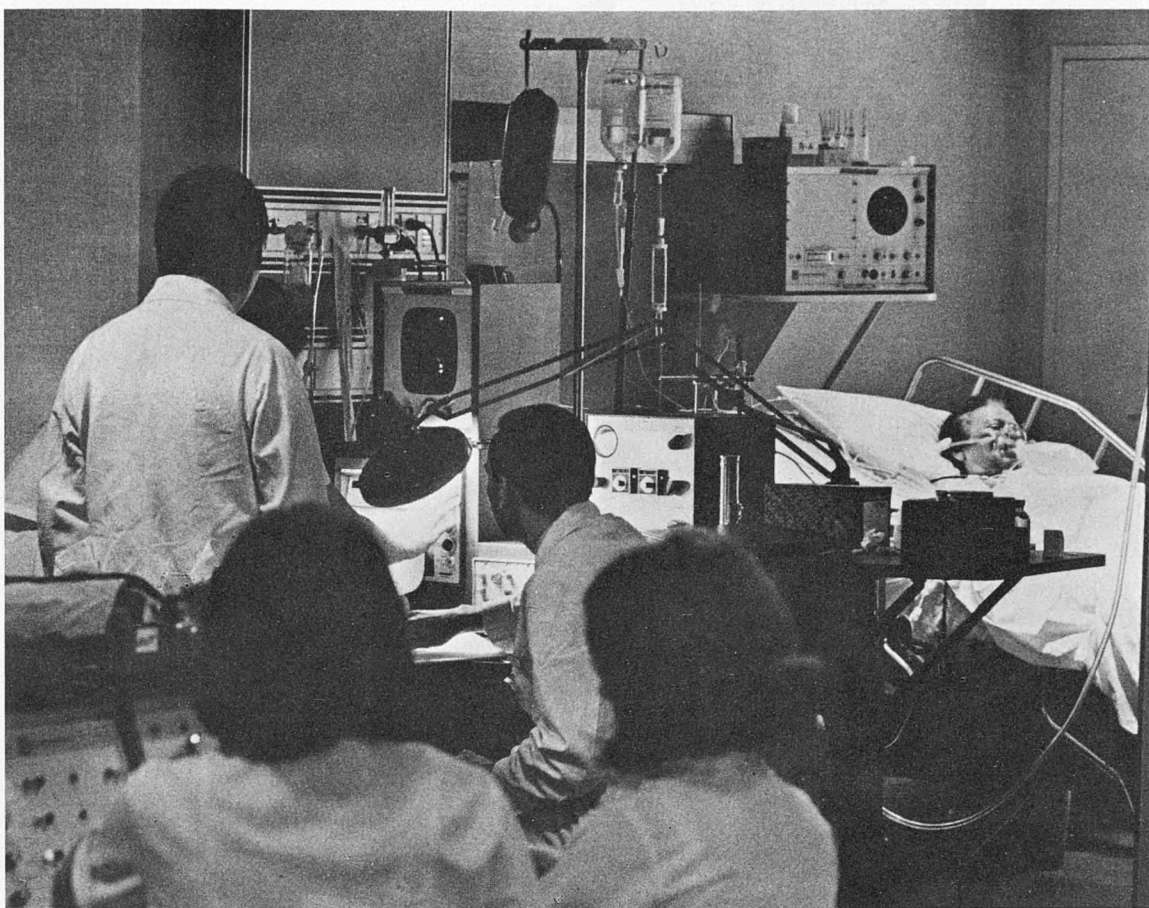
It was the longest known period that any person had been kept alive with a heart-assist device. Conventional cardiac assist devices usually are used for four to six hours, but the balloon functioned for 456 hours. The woman died from acute infection of the respiratory and urinary tracts. The balloon did not fail.

Dr. Gerald A. Wolff, medical director of the Barnes' coronary unit, said the woman was suffering from cardiogenic shock when she was admitted to the hospital, meaning that her heart was failing to pump enough blood—a condition that is the chief cause of death of about 90 per cent of patients admitted to the hospitals after heart attacks.

After the woman was admitted to the Barnes' coronary care unit and the diagnosis of cardiogenic shock was made, we put the balloon pump into place. Once the balloon pump started functioning, the woman was able to watch television, talk with friends and eat light meals. However, the respiratory and urinary infection tipped the balance against her," Dr. Wolff said.

Dr. Wolff noted that in two other cases, physicians considered the prospects of implanting the balloon pump into two patients suffering from cardiogenic shock, but in each instance the patient died before the balloon could be implanted.

Dr. John Collins, Barnes' surgeon, implanted the balloon pump, in an operation that takes about 20 minutes. The pump, which was developed by Dr. Adrian Kantrowitz, director of surgery at Mt. Sinai Hospital in Detroit, is inserted by making a one-inch incision in the



A woman suffering from severe cardiogenic shock was sustained for 20 days by a "Kantrowitz Balloon Pump" in the coronary intensive care unit at Barnes last August. It was the longest known period that anyone had been kept alive with a heart-assist device.

patient's leg and opening the femoral artery. Then, attached to the end of a flexible hollow tube, the tiny helium-driven "balloon pump" is inserted into the artery.

The surgeon carefully threads it up the aorta (the large vessel that leads from the heart down the back) until it is in position directly behind the heart. As the balloon pump fills with helium, it begins to pulsate, pumping blood from within the aorta itself.

Upon learning that this device had sustained the woman's life for that length of time,

Dr. Kantrowitz said, "Nobody else has used any kind of heart-assist device for nearly as long. I think that now other groups will be encouraged to use it in patients who have enough heart muscle left so that they can survive."

Dr. Wolff is encouraged about using the pump. He suggested that the balloon pump not only has possibilities as a long-range device, but also for medium-term support until the medical staff can either reverse the cardiac injury so the patient can get well or as a stop-gap measure until corrective surgery can be performed.

Doctor's Day Set for March 30; Doctors to Receive Carnations

Physicians on staff at Barnes Hospital and other St. Louis hospitals will be honored on

"Doctor's Day," which is scheduled for March 30.

Doctor's Day is set aside annually by the St. Louis Medical Society to show appreciation of medical staff members. The society also distributes cards which proclaim the special day to hospitals for patient meal trays.

Hospital Auxiliary units will pin red carnations on the lapels of the physicians that day. Barnes Auxiliary, Mrs. Gerald Canatsey, will be chairman of the event at Barnes for the sixth consecutive year.

According to Mrs. Canatsey, about 160 carnations were distributed last year. Auxiliary members will honor the physicians by pinning on the carnations between 7:30 a.m. and noon.

Participating are Mrs. Raymond Meisenheimer, Mrs. William Margerin, Mrs. Frank Shobe, Mrs. Arthur Clark, Mrs. Norman Greitzer, Mrs. Stuart Lohead, Mrs. William G. Moore, Jr., Mrs. Harvey Witcoff, Mrs. George Blaha, and Mrs. Sidney Rosenberg.

Presentation of the carnations will take place at five locations: lobbies at Renard Hospital, McMillan Hospital and Maternity Hospital, in addition to the Doctors' lounge and on the fourth floor of Rand-Johnson.

In addition to the flowers, coffee and rolls will be served at these locations.



Doctor's Day is scheduled March 30 and a number of events are planned to honor the Barnes' medical staff on that day. For example, carnations will be presented to the medical staff as a token of appreciation. Here, Mrs. Stuart Lohead, a Barnes auxiliary member, right, pins a carnation to the lapel of Dr. Frank Shobe, assistant psychiatrist, while Dr. Shobe's wife, Shirley, provides encouragement.

Factors Cited for Barnes' Low Rate of 'Nosocomial' Infection



Stamping Out Infection

Taking a culture from an isolette in the premature nursery is part of the duties performed periodically by Miss Josephine Davis, one of two infection surveillance nurses at Barnes, right. Miss Davis is taking the culture from a humidity reservoir outside the isolette. The infant, in the isolette, was diagnosed as having an immature liver, and she was placed under a bilirubin reduction lighting system in the isolette which is a relatively new machine in the nursery. The bilirubin reduction lighting system functions like a sun-lamp in that it causes a natural skin reaction which helps reduce the level of bilirubin, a harmful chemical that sometimes forms in body secretions from immature livers in newly-born infants. Excessive amounts of bilirubin can cause severe brain damage. Mrs. Margaret Vick, an RN in the unit, watches as Miss Davis takes the culture.

Barnes Hospital's monthly rate of 'nosocomial' infections is considerably lower than 12 other university hospitals, from various parts of the country, that are participating in a national study conducted by the Hospital Infections Section of the National Communicable Disease Center at Atlanta.

By medical definition, a nosocomial infection is an infection that occurs in patients during hospitalization with diagnoses confirmed by clinical or laboratory evidence.

Barnes has been averaging 1.2% nosocomial infections per 100 patient discharges, as compared to 5.1%, the average for the university hospital group. As a whole, a total of 62 hospitals are participating in the study which Barnes joined in 1970. The partici-

pating hospitals are divided into six categories. In addition to the "university" category, which includes Barnes, there are five other classifications of hospitals which submit monthly reports concerning patient nosocomial infections: community hospitals with more than 300 beds, community hospitals with less than 300 beds, federal hospitals, municipal or county hospitals and chronic disease hospitals.

The participating hospitals submit uniform statistical reports on nosocomial infections to the Communicable Disease Center which publishes a monthly summary of nosocomial infections which is distributed to the participating hospitals.

Barnes' significantly lower figures in the university category reflect the hospital's continuous effort to find new procedures and methods to reduce the level of nosocomial infection present in the hospital.

Although Barnes' participation in this national

study is relatively new, there has always been an infection committee at Barnes, composed of staff physicians that meet on a regular basis to discuss subjects related to hospital infections; and to review specific current case studies and recommend new procedural methods. Dr. Harvey Butcher, associate surgeon, is currently chairman of the committee and Dr. Neal Middlekamp,

associate pediatrician, is the group's vice chairman.

For several years prior to entering the national nosocomial study, Barnes has been generating its own infection reports in order to spot potential problems and consult with members of the hospital staff to take corrective measures.

Miss Nancy Craig, assistant director at Barnes and secretary for the hospital's infection committee, said that although it is difficult to state categorically the reasons why Barnes has a substantially lower rate of nosocomial infection than the other 12 university hospitals, there are several factors which could be considered influential. For example, one reason is the employment of a full-time infection surveillance nurse, Mrs. Mary Shannon. She has been on this post since 1967.

Mrs. Shannon is assigned to Queeny Tower, Rand Johnson building and the No. 4 medical building. In 1968, Miss Josephine Davis joined the hospital staff as an additional infection surveillance nurse, responsible for McMillian Maternity, Wohl and Barnard hospitals.

Telephone Supervisor, Miss Rose Tullman, Requests Job Transfer

Miss Rose Tullman, chief telephone operator at Barnes, has requested that she be relieved of her supervisory duties within the communication department at Barnes. She will be replaced by Mrs. Agnes Bardot, a telephone operator for about five years here.

Miss Tullman will continue to work in a business and clerical capacity at the hospital. Miss Tullman said she requested the transfer because she wanted to be relieved of managerial responsibilities.

Miss Tullman has been employed at Barnes for about 36 years.

Former Nurse Visits Briefly at Barnes



Miss Everil McDavitt, a former registered nurse for 43 years at Barnes, recently visited the hospital. During her brief stopover at Barnes, Miss McDavitt presented the hospital with many old photographs of Barnes physicians, magazines, correspondence and a registry book of individuals who visited some of the hospital's operating rooms. Miss McDavitt is living at Ashmore, Illinois, and she would appreciate hearing from her many friends who knew her at Barnes.

a new breed

Many medical corpsmen, who have won respect and admiration for their life-saving techniques on the battle-fields, have decided recently to pursue medical careers after their discharge from military service enrolling in medical training programs at hospitals throughout the U. S., including Barnes.

These former military veterans are disproving a popular misconception that certain medical careers, such as nursing and anesthesia, are limited mainly to women.

For example, Mark Manczuk, a husky former Green Beret who operated a medical dispensary in Vietnam, is one of seven male nursing students who are enrolled in the Barnes Hospital School of Nursing, taking training as nurses to fulfill prerequisites to enter the field of anesthesia. Mr. Manczuk commented to a group of high-school seniors at a recent Career Day: "Sure we get ribbed about being male nurses, but in two years, I'll be making a good living as an anesthetist." Survey support his statement because there are only about 140 physicians and 220 nurses to provide anesthesia for the whole state of Missouri.

Preparing for a medical career as a nursing student has both its advantages and disadvantages, according to the six other male nursing students.

Kent Fair said, "Being a nursing student gives you an opportunity to do something 'practical' while going to school. For example, Barnes' nursing school students spend one day a week in the clinical areas of the hospital performing tasks, such as making beds and lifting patients." Mr. Fair said that he is only able to recognize a few areas where "discrimination" exists against the male students in nursing.

"Female nursing students frequently talk about equal rights for women, but they still expect males to treat them like women, especially when it comes to performing less desirable work tasks, such as filling

an empty soda case," he said. Mr. Fair's only other qualm about the Barnes' School of Nursing concerned the time length of the curriculum leading to a certificate degree.

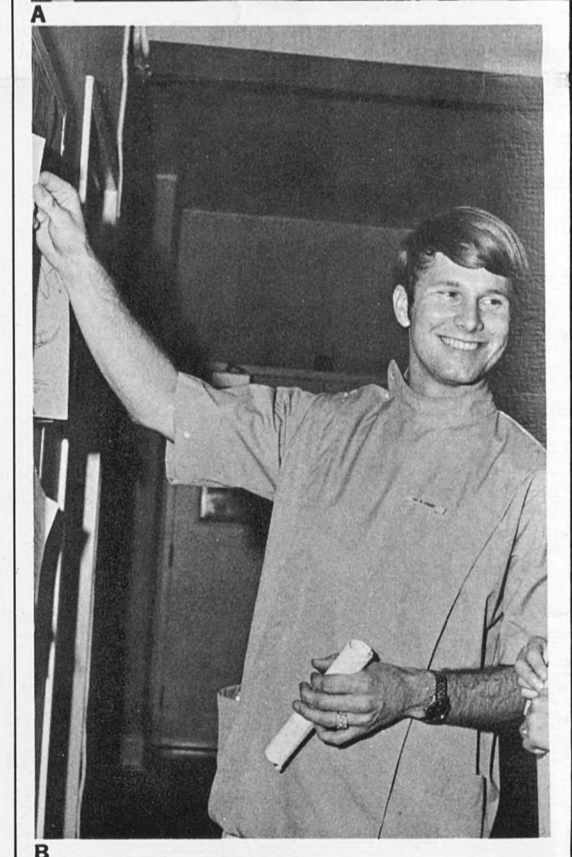
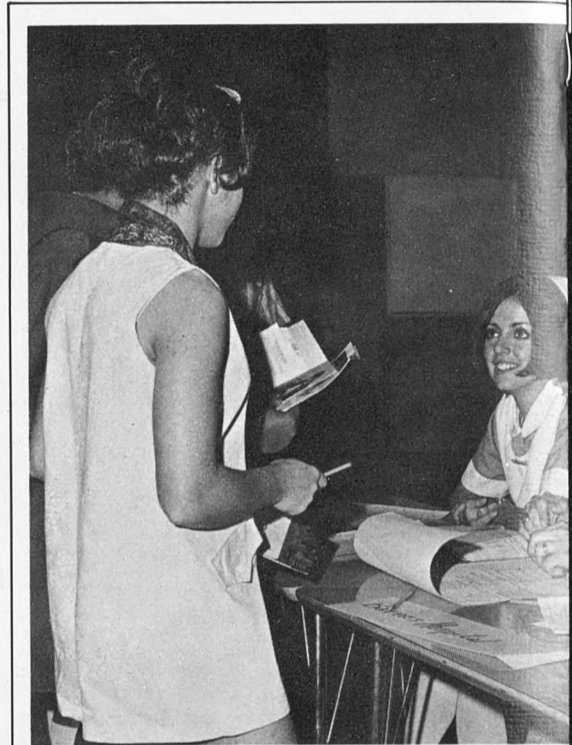
(Until recently, it took a student 33 months to complete the requirements, but the School has been given the green light by the Missouri State Board of Nursing to stream-line the curriculum from a 33-month program to 24 months, by eliminating the unnecessary course material.)

The new curriculum will go into effect starting in August, 1971. Mr. Fair approves, saying: "The program should be more attractive—you never improve unless you change."

Nursing student Gary Nichols likes the social life at the school, because of the many activities—dances, sports and parties. Mr. Nichols said, "On occasion four or five of us will go ice skating at nearby Steinberg Rink or play football."

Another male nursing student, Martin Powers, is married and the couple lives away from the medical center. Mr. Powers gave one of his reasons for enrolling in the nursing school: "I had been a psychology major in college, but I felt that it was necessary to have a doctorate degree to get a good paying job. After realizing the difficulty that college graduates with a basic bachelor's degree are encountering in trying to get a decent job in today's competitive market, I decided a medical career would be my best opportunity."

Larry Kennon, another nursing student, said that more provisions are being made today for men who plan to make medicine their career. "Administrators are beginning to see the potential of men. It is not true that the 'main reason a man goes into nursing is because he does not want to compete with other men.' I definitely would recommend a medical career to anyone who is interested, including nursing."

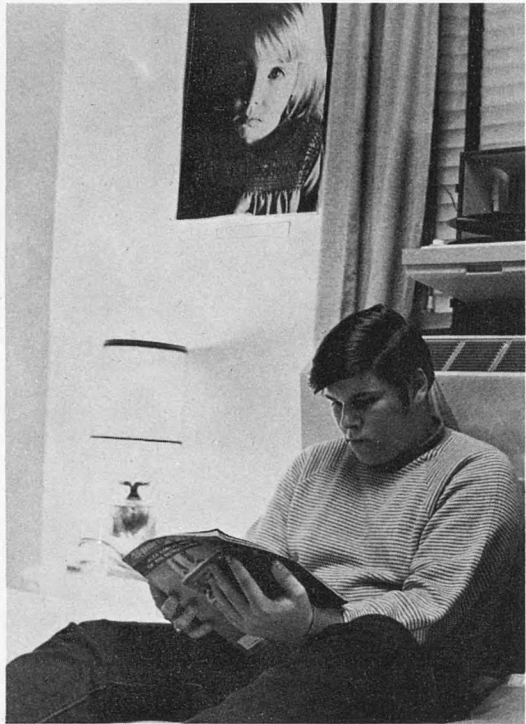


(A) Nursing student Mark Manczuk, a former Green Beret in the military service, received some good-natured ribbing about being a "male nurse" at a recent career day that was held at an area high school. Mark remarked to his hecklers, saying: "The title doesn't mean a thing; in a couple of years, I should be making a real good living, because, as an anesthetist, my services will be in heavy demand." Barnes' nursing student Miss Pam Basler also represented the School of Nursing at the career day.

(B) Martin Powers, a Barnes' nursing student, enjoys a quip on a bulletin board at the School of Nursing.

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Male Nurses



(C) Classroom work occupies much of the nursing student's life, and here Larry Kennon discusses a nutritional problem with Mrs. Helen Starch, associate director of education in the dietary department. Mr. Kennon is sitting between two other nursing students, Martin Powers, left, and Mark Manczuk.

(D) Kent Fair, a Barnes' nursing student, lounges on his bed at the Barnes' School of Nursing, seemingly ignoring the stares of a child, the subject of a poster hanging on the wall behind him.

(E) Like all nursing students at the Barnes' School of Nursing, Gary Nichols, left, spends one day a week in the hospital performing routine tasks, such as in this case, helping to move a patient while making a bed. Miss Ruth Bollinger, a nursing student, also is providing support for the patient.

DOCTOR'S NOTES



■ Three Barnes' staff members, Dr. Falls B. Hershey, assistant surgeon; Dr. Robert Lund, assistant surgeon; and Dr. Frederick Peterson, assistant pediatrician, were recently installed as officers of the St. Louis County Medical Society. Dr. Hershey is the organization's new president, Dr. Lund is vice president and Dr. Peterson is the treasurer.

■ Dr. Joseph Kopta, assistant orthopedic surgeon, recently conducted a seminar on education at the department of surgery, University of Texas at Galveston.

■ Dr. Samuel D. Soule, associate obstetrician-gynecologist at Barnes, recently lectured at a medical staff meeting at Good Samaritan Hospital at Mt. Vernon, Ill. He spoke on "High-risk Obstetrics," "Teenage Emergencies," and "Pitfalls in Hormone Therapy."

■ Dr. Ira J. Malter, third-year resident in radiology, has written a paper, "Pseudohypoparathyroidism and Myositis Ossificans Progressive in the Same Patient," which was accepted for presentation at the annual meeting of the Canadian Association of Radiologists, March 15-19, at Calgary, Canada.

■ Dr. Paul E. Lacy, pathologist-in-chief, spoke recently at the 17th annual meeting of the Diabetes Association of Greater Cleveland, Ohio.

Four Graduate from Dietary Intern Program



These girls are new registered dietitians. They were graduated recently from a one-year intern training program offered at Barnes. The girls are, left to right: Mrs. Sue Menke, Miss Kathleen Mahan, Miss Judy Sarka (who will remain at Barnes' as a therapeutic dietitian), and Miss Margaret D'Abadie. The girls received diplomas from the Barnes' Dietary Department and pins from the American Dietary Association. In order to graduate, each of the girls rotated through the various dietary services at the hospital, in addition to passing an extensive final examination.

Wayco Garage Extension Opened

(Continued from page 1)

However, Mr. Kellerman said that there have been many traffic jams outside the parking garage itself, from 3:30 p.m. to 5:30 p.m. on Euclid, Scott and Audubon avenues, as the result of cars parking at the curb at the entrance to McMillan Hospital. He said these cars are waiting to pick up employees who have completed their work shifts. He noted that in recent weeks, a policeman has been assigned to patrol the area and he has

eliminated many of the traffic bottle-necks.

Mr. Kellerman suggested that these cars should wait on Scott Avenue to pick up passengers. He said this would reduce the traffic pressure that normally occurs near the hospital in the evenings, and also help expedite traffic exiting from the new parking garage.

Contributions to Barnes Tribute Fund Sept. 10 - Dec. 31

Following is a listing of honorees (names in boldface) and contributors to the Barnes Hospital Tribute Fund from September 10, 1970, through December 31, 1970.

IN MEMORY OF:

Mrs. Warren Rainey
Mr. E. R. Culver III

Anita Marie Gonzalez
Mr. and Mrs. William Schutzenhofer

Emma E. Bewberg
Barnes Hospital Maintenance Department

Dr. Thomas J. Walsh, Jr.
Mr. and Mrs. E. L. Johanning

Mr. Meyer Cohen
Mr. and Mrs. Sidney Levinson

Dr. Sim Beam
Mr. and Mrs. Stephen J. Wolff

Mrs. Nancy Fryer
Dr. Fleming B. Harper

Marge Samuels
Mr. and Mrs. Richard Fisher

Mr. James Marshall Woods
Tool Room and Engineering Department of Universal Metal Products

Chaplain George Bowles
Barnes Hospital School of Nursing Alumnae Assoc.

Miss Marjorie Manger
Barnes Hospital Auxiliary
Mrs. Harry J. Holmes

Captain Stewart Ducey
Edwin B. Meissner Jr.

Irwin Kopitsky
Miss Mildred Lochow

Mr. George Baker
The Robertson Family

Mr. Mark Eagleton
Dr. and Mrs. Norman Knowlton

Rev. George Bowles
Dr. and Mrs. Norman Knowlton

Mrs. Lily Veeder
Mr. and Mrs. Robert Cochran

Lynne Erwin
Mary Fisher and Audrey Kolker

Earl Lynn
Mr. and Mrs. Homer Alcorn

Rose Shapiro
Mr. and Mrs. Richard Fisher

J. Michael Rarick
Mr. Robert R. Hermann

Mr. Joseph Hickey
Dr. and Mrs. Robert W. Bartlett
Mr. and Mrs. Robert Cochran

Dr. Cecil Charles
Mr. and Mrs. Barney Feagin Jr.
Self Care Unit, Queeny Tower
Mrs. Eleanor Duerbeck
Mr. and Mrs. Stephen J. Wolff
Dr. and Mrs. James O'Leary
Mrs. Herbert Trask
Dr. and Mrs. Norman Knowlton
Dr. and Mrs. Theodore E. Walsh
Miss Frances Ferris
Mr. and Mrs. Henry Day

Dr. Glover Copher
Miss Nancy B. Hulsizer
Dr. Fleming B. Harper
Barnes Hospital School of Nursing—Alumnae Assn.
Dr. and Mrs. Norman Knowlton

Mr. Meredith C. Jones
Mr. and Mrs. Charles H. Sommer
Mr. and Mrs. Edwin B. Meissner Jr.

Mr. George Sardi
Mr. and Mrs. Harry Wuertenbacher

John Nolin
Susan and Ken Jackson
Thelma and John Thornton
Mr. and Mrs. Philip C. Robinson
Miss Alice Nolin
Mr. Herman F. Weisz
John's friends and co-workers

from the St. Louis Branch of Lennox
Mr. Henry G. Boedeker
Marguerite Baine
Leo H. Shicker
Edward G. Zich
Dr. Herschel R. Harter
Golden Sheaf Lodge No. 7, Fargo, North Dakota
National Environmental Systems Contractors Association

John M. Brodsky and daughters, Robin and Jill
Mr. and Mrs. M. R. Chambers

IN HONOR OF

Barnes Hospital Auxiliary Players
Audrain Hospital Auxiliary, Mexico, Mo.

Mr. Robert Weinstock's birthday
Mr. and Mrs. Ivan Silberman
Marty and Mary Bearman
Mr. and Mrs. Myron Glassberg

Mrs. John Friedman's Birthday
Mrs. Abraham Uchitelle

Barnes Volunteers
Mrs. Margaret Elley Summers

Dr. Frank Shobe's Recovery
Mr. and Mrs. Sidney Rosenberg

Dr. Henry Schwartz
Mr. and Mrs. Burt Wenneker

HOSPITAL HAPPENINGS



Mrs. Carl Hohengarten, an LPN on 7 Maternity, whose husband was a composer, director, musical arranger and producer for St. Louis and network radio shows from 1925 until his death in 1968, recently presented her late husband's collection of musical scores to Southern Illinois University's Lovejoy Library at Edwardsville. He also produced the radio show, "Fibber McGee and Molly," in the 1930s in Chicago. He contributed original scores for soloists and choruses at the St. Louis Municipal Opera.

Premiums for life insurance will not be deducted from paychecks of Barnes employees for two months in 1971 because satisfactory experience based on the past year's payments and premiums. No deductions for life insurance will be taken from the February 12 and March 12 paychecks.

Full-time Barnes Hospital employees and their dependents now qualify to participate in the Red Cross Blood Participation Program by virtue of the 140 blood donations that were contributed here January 14. An additional 534 blood donors are needed to meet the hospital's blood quota for the year ending December 15, 1971. The bloodmobile has been scheduled at Barnes for three more times in 1971: May 27, September 9, December 21.

Edward Thurman, Barnes' Safety and Security chief, requests that all Barnes employees who have not had their identification cards validated within the last year, should do so immediately by taking the cards to the security office. Mr. Thurman said that it only takes a few short minutes to update the cards.

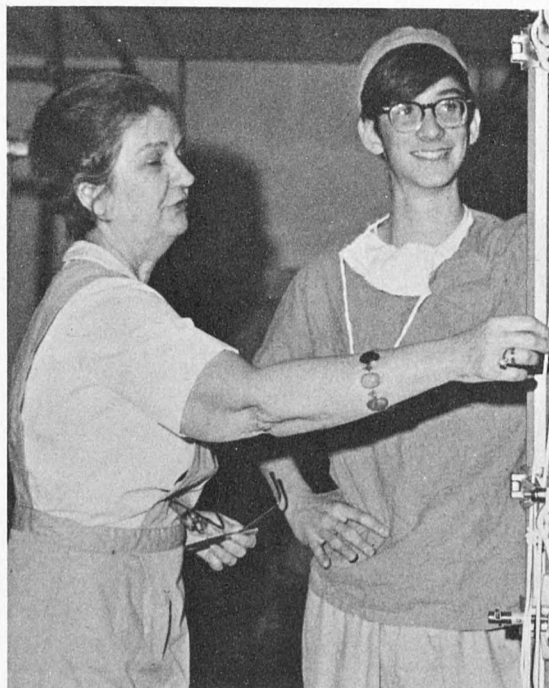
Russ David, St. Louis radio personality and band leader, entertained patients from the medical center from 3 to 5 p.m. Saturday, February 20, in Schwarz Auditorium.

New Barbering Services Available Here

The availability of hair styling and razor cuts in the Barnes Hospital barber shop was recently announced by Fred Kossman, shop manager. A new barber in the shop, Ernie Bolin, has taken training in various modern barbering services and is available to sculpture cut men's hair.

The barber shop is located on the first floor of Barnes Hospital, adjacent to the Wishing Well and is open from 8 a.m. to 5 p.m. Monday through Friday. Shop appointments may be made for hair styling and razor cutting in addition to regular hair cuts from 1 to

Miss Connett Named Candy-Stripe Chairman



Miss Jane Allen Connett, newly-named chairman of the Barnes' summer junior volunteer program, meets with Paul Pier, a junior volunteer who recently worked three weeks in the operating room area, transporting patients and performing other duties. He is a student at St. Louis University High School.

Miss Jane Allen Connett, former society editor for **The St. Louis Globe-Democrat** newspaper, and a member of the Barnes Hospital Auxiliary, has been named Barnes'

CandyStripe chairman who will be in charge of Barnes' junior volunteer program this summer, according to Mrs. Dorothy Kelly, chairman of the Barnes' volunteers. In assuming her duties, Miss Connett noted that about 210 youth, ages 14 through high school, are needed as CandyStripers this summer at Barnes. Applications are now being accepted at the Barnes' volunteer office.

Miss Connett said that this year's CandyStripe program will feature a concentrated educational approach, designed to focus more attention on the many health-career opportunities that are available. Tentative plans have already been made to have a health-career day, with speakers and informational material, probably in early June, she said.

Miss Connett mentioned that about eight former members of the Barnes' junior volunteer program have recently entered the medical profession in some capacity.

Miss Connett served on **The Globe** staff from 1946 until 1966. She then accepted a position as a volunteer of the Washington University Women's Society, a service organization which works exclusively to raise funds, primarily for student scholarships and financial aid. She is also secretary of the board for the St. Louis Chapter of the United Service Organization (USO).

Medical Experiences with Marijuana Discussed at Barnes & Allied Society

Medical experience with marijuana was the topic of the featured talk at the Barnes and Allied Hospitals Society's winter meeting late in January. Dr. Donald A. Goodwin, Barnes psychiatrist, told the large audience results of investigations into the effects of use of the drugs, both in animals and humans. "Marijuana is a derivative of the Cannabis plant," Dr. Goodwin said. The National Institutes for Mental Health set out to determine whether or not the weed is harmful,

when taken into the body. They quickly found that there were many different potency rates in marijuana, depending upon the strain of the cannabis plant. They grew one they thought they could "trust," with a fairly high degree of potency."

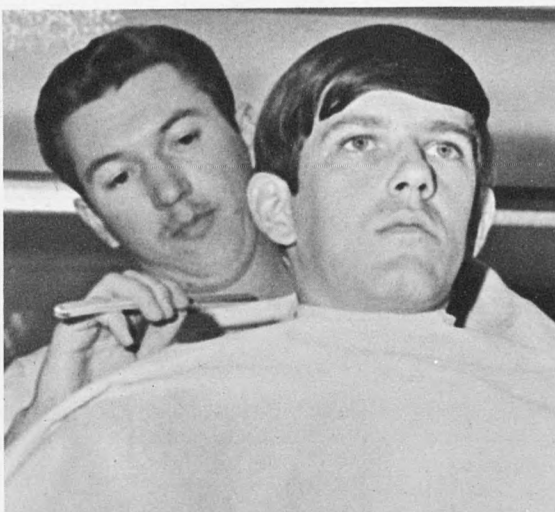
Dr. Goodwin said that the studies did not reveal chromosomal damage, but more ominous results were found in pregnant animals. "When high potency marijuana was administered to animals, it caused drastic fetal abnormalities," he said.

He commented on "reverse tolerance," saying that experience seems to prove that repeated use of marijuana by humans builds up tolerance to the drug, though this was not shown to be true in animal studies.

"Unlike alcohol, marijuana suppresses belligerence in animals. If a potent dose is given, it produces hallucinations. Marijuana smoked is two or three times more potent than given orally. There seems to be some effect on time perception in humans. Persons under the effect of the drug underestimate how much time has elapsed. This may be why they say the use of this drug enhances enjoyment of food, music, or sex, because the pleasurable activity seems to go on and on."

He quoted marijuana "users'" opinions of the bad effects of marijuana, saying they . . . complain of dry throat, cough, confusion, . . . panic states, and paranoid suspicions.

Mr. Frank told the group the Barnes Board of Trustees is investigating plans for more parking and doctors office space. He said the East Pavilion construction is "on schedule, and so far is a relatively trouble-free project."



Mr. Bolin said, "Each individual has a hair style which is best suited to him. I cut hair to please the customer."

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Constance C. Barton, Director
John Manley, Associate Editor

Texas Minister Appointed Chaplain At Barnes Hospital

The Rev. Robert L. Davis, 33, formerly of Dallas, has been appointed hospital chaplain at Barnes Hospital. Rev. Davis assumed his new duties on February 1.

Rev. John Glassey, who has served as acting chaplain at Barnes since the retirement of the late Rev. George Bowles in June of 1970, will remain on the chaplaincy staff for the immediate future.

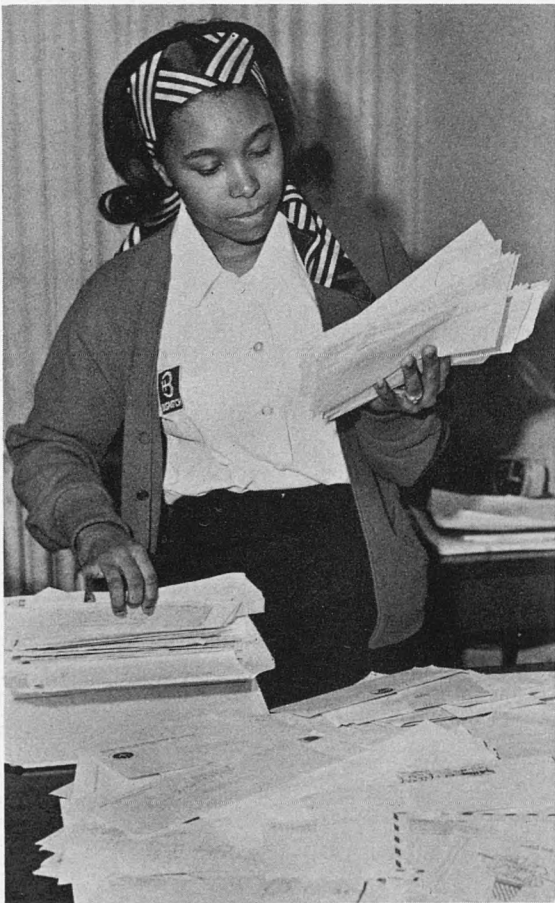
Prior to accepting the position at Barnes, Mr. Davis was director of chaplaincy services for the Dallas (Tex.) County Hospital District, comprised of Parkland and Woodlawn hospitals. While serving in this capacity, Mr. Davis directed accredited ministerial training programs at these hospitals.

A 1961 graduate of Southern Methodist University with a bachelor of arts degree in English, Rev. Davis received his master of theology degree in pastoral psychology in 1963 from the Perkins School of Theology at S. M. U.

He was pastor of St. Matthews Methodist Church in Dallas from 1962-1963. Earlier, he had been pastor of two small churches in west Texas. Mr. Davis received his training in clinical pastoral education at Parkland Hospital from 1963-65.

Mr. Davis, his wife, Patricia, and their two children, Melinda, 6 and Anthony, 3, live in Ballwin.

Neither Rain Nor Sleet . . .



Neither rain, nor sleet, nor snow . . . keeps *The Bulletin* mail away, or the great majority of our readers—those who have requested and are qualified to receive *The Bulletin*. Readers on our "outside mailing list" replied to a recent query asking them to return the bottom portion of a letter that would indicate they would like to continue receiving *The Bulletin*. And, weather conditions notwithstanding, the mail's still pouring in. Mrs. Brenda Heard, a dispatch messenger who works in the mail room, delivers the last batch of replies for the day.



Visiting Patients...

The Rev. Robert Davis, Barnes' protestant chaplain, is shown visiting with a patient. Mr. Davis, formerly of Dallas, replaces the Rev. John Glassey, who had been serving as interim chaplain since the retirement of the late Chaplain George Bowles. Mr. Glassey will continue to remain on the Barnes' staff.

New Surgery Unit to Monitor Patients

(continued from page 1)

electronic instrumentation. Each patient's monitored signals will be transmitted to a central computer which will analyze the patient's physiological signals and generate numerous displays of the analyzed data. One purpose of the displays is to present current information to the attending physicians and nurses, concerning the condition of the patients within the surgical intensive care unit.

The intensive care unit's computer-based patient monitoring system is being developed in the Biomedical Computer Laboratory by Jerome R. Cox, Jr., its director, and by Ronald Hagen, project engineer. The Biomedical Computer Laboratory will develop its own computer programs and hardware specifications for use in the system.

Some unique features of the monitoring system are: 1) It will enable one nurse simultaneously to provide routine care in a particular patients' room while monitoring the basic data of any other patient in the section, 2) A nurse will be able to observe all patient beds, readily scan the basic data from all patients and do a substantial portion of her routine charting while at the central nurses station, 3) The computer will generate automatically a reliable history of the basic variables for each patient.

The unit will be located in the newly renovated 2200 intensive care area. Two additional patient beds, located outside the intensive care section, in Room 2218, will have limited



Dr. Richard Clark, (left) coordinating ICU project. Dr. Jerome Cox (right) directs computer application.

monitoring facilities for patients who are in less serious condition. For example, these beds will be used for patients with newly implanted heart pacemaker devices, requiring monitoring attention for 24 hours.

Numerous types of display devices will be used to communicate patient information to the attending medical personnel.



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