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College Training Detachment,
31st Air - History, 1943

STATION HISTORY OF THE
31ST COLLEGE TRAINING
DETACHMENT (AIRCREW)

1943

3/2

Garrett Box

STATION HISTORY OF THE 321ST COLLEGE TRAINING DETACHMENT (AIRCREW)

FOREWORD

Arriving in Bowling Green, Kentucky, on 1st of September 1943, I found the 321st College Training Detachment, which had been in operation for six months, to be well organized and running smoothly. Captain Paul M. Leurig was being relieved of his command because of illness. It was obvious that Captain Leurig and his officers had done a good job. Lieutenant Allan E. Hadley, the Adjutant, was on duty, and Lieutenant Alfred M. Collins, S-3, was at Randolph Field for the month of September attending COTO School. Lieutenant Richard W. Farr, formerly Adjutant, had just been transferred to a War Service Training Detachment at Owensboro, Kentucky. Captain C. V. Wolfe, Medical Corps, activated the Medical Department. He left the last part of May, and Dr. Louis Fine, Contract Surgeon, took charge and has continued in this position up to the present.

Problems encountered, in the main, have been routine. Two Civil Service girls, hired at activation, have proved satisfactory. Enlisted personnel, on the whole, has been good, and training to improve its efficiency has been continuous. Our Parent Station, Bowman Field, Kentucky, is 120 miles away, and this distance has caused great use of time and automobiles.

I have found the College President and the Coordinator to be more than cooperative. President Paul L. Garrett has shown rare insight into the problems and ramifications of a military installation such as ours. He has always been willing to discuss with our

Headquarters the solution of problems or misunderstandings arising between the College and the military. Dean F. C. Grise, the Coordinator, has worked hard to fulfill the requirements of the program in the academic field. Major Dauris C. Carpenter, of Western's ROTC-ASTP, has cooperated closely with the Air Corps installation on matters pertaining to the two commands.

The Civil Aeronautics Administration Program at the Bowling Green Municipal Airport has given our Aviation Students good flying instruction. The civilian flying instructors, led by Mr. L. S. Cox, Chief Pilot H. C. Gammon, and Civil Aeronautic Administration representative L. E. Gavol, have an enviable record in that every Aviation Student to graduate from this Detachment has received his full ten hours of dual flying instruction.

Relations with Headquarters, Eastern Flying Training Command, have been completely satisfactory. The College Training Section has always been cooperative and anxious to assist us all in every possible way to run our Detachment in the most efficient manner.

Bowling Green, Kentucky, has been a very friendly and helpful town to our Aviation Students. Recently, the town has been full of baseless rumors regarding the future of our Detachment here, but none has caused concern at this Headquarters and all were handled diplomatically. The officers of our Detachment have appeared before local service clubs, the Chamber of Commerce, and WAC meetings.

The Detachment has conducted ceremonies for the presentation of four Air Medals before local and nearby gatherings, and

the Aviation Students have made very creditable showings in parades held in connection with War Loan campaigns.

The local chapter of the American Red Cross has cooperated in every way possible with this Detachment. The local director, Mrs. Robert B. Carter, has rendered all of the services of the Red Cross to this Detachment promptly and efficiently at all times.

GEORGE S. UPDEGRAFF,
Captain, Air Corps,
Commanding.

PREFACE

The authority for the writing of this History is contained in letter, subject: "Historical Program of the Army Air Forces Eastern Flying Training Command", file 000.4, dated 6 September 1943, Headquarters, Army Air Forces Eastern Flying Training Command, Maxwell Field, Alabama.

Photographs which are placed in the Appendix have been contributed by the Base Photographic Section, Bowman Field, Kentucky. There were a number of contributors to this History, and without their assistance, it would not have been possible to present a complete picture of the accomplishments and the workings of this Detachment. The military contributors included the following: Captain George S. Updegraff, Commanding Officer; 1st Lt. Allan E. Hadley, Historical Officer; 1st Lt. Alfred M. Collins, S-3; and 1st Lt. Hubert D. Osteen, S-2 and S-4. The civilian contributors included the following: Dr. Paul L. Garrett, President of Western Kentucky State Teachers College; Dr. P. C. Grise, Dean of the College; Mr. Kelly Thompson, in charge of Public Relations; Mr. H. C. Gammon, Chief Pilot; Miss Florence Schneider, Bursar; and Mr. Frank Lawrence, in charge of Physical Education.

ESTABLISHMENT OF DETACHMENT

On the recommendation of A-3 of the Army Air Forces Southeast Training Center, the Western Kentucky State Teachers College was selected as an alternate site for an Aircrew College Training Detachment. A letter of intent was dated 12 March 1943. In February 1943 a Site Board came to the College after finding the University of Louisville, which was the first choice, unsatisfactory. The Board was composed of the following members:

Leonard C. Hoffman, 1st Lt., Air Corps, from AAF Southeast Training Center -----	President.
Richard A. Miller, 1st Lt., Air Corps, from AAF Southeast Training Center -----	Member.
Frederick R. Louis, 2nd Lt., Corps of Engineers, from the U.S. Engineer Office, Louisville, Kentucky ----	Member.
Mr. R. E. Peterson, Flight Supervisor, C. A. A., W. T. S., 719 Guaranty Building, Indianapolis, Indiana.-	Member.
Mr. I. Sidney Jenkins, 301 Berlein Building, Real Estate Representative, Louisville, Kentucky -----	Member.

The Site Board found this College to have suitable accommodations for up to 500 Aviation Students with no further additions to present facilities. On the fifth and sixth of April 1943, a Negotiating Committee representing the Government, met with the officials of the College. The two groups were composed of the following:

Representing the Government:

Col. Gordon R. Catts, PMS & T, Western Kentucky State Teachers College.
Capt. L. W. Guernsey, Air Corps, Contracting Officer, Area Office, Indianapolis, Indiana.

Capt. Henry S. Thomas, Medical Corps, Flight Surgeon.

Capt. Paul M. Leurig, Air Corps, Commanding Officer of the Detachment.

Capt. Robert F. Parks, Air Corps, Maxwell Field, Educational.

Lt. Fred R. Louis, Corps of Engineers, District Engineer, Louisville, Kentucky.

Lt. Charles Polis, Quartermaster, Fort Hayes, Columbus, Ohio.

Representing the College: *+ President + Board*

Dr. F. C. Grise, Dean.

Dr. Lee F. Jones, Department of Education.

Mr. Kelly Thompson, Public Relations.

Mr. L. T. Smith, Maintenance.

Mr. B. J. Borrone, Board of Regents.

Mr. J. P. Masters, Board of Regents.

After the College had been approved for participation in the Army Air Corps Training Program by Army Air Forces Southeast Training Center, Maxwell Field, Alabama, and Flying Training Command, Fort Worth, Texas, the College was eliminated from consideration by the Civil Aeronautics Administration, because there were no adequate facilities at the local field, such as hangars, classroom space, etc. The College contacted the Owensboro Aviation Corporation which agreed to build the necessary facilities on condition that it was to give the flight training and to receive a twelve-year option from Bowling Green and Warren County for the use of the airport.

War Department Training Unit Contract W2119

ac-139, between The United States of America and the Western Kentucky State Teachers College, became effective on 7 April 1943. The contract was signed for The United States of America by Paul Pershing Hook, 1st Lt., Air Corps, Contracting Officer, and for the College by President Paul L. Garrett.

The contract provided for a number of improvements and additions to the physical property of the College and bound the Government to a total of activating expense not to exceed thirteen thousand eight hundred and ten dollars (\$13,810). The specified improvements were made and certain equipment subsequently purchased by the College, the total expenditure running somewhat less than the estimated activating expenses.

Use of facilities was set up for \$2,880.00 per month, which included messing and living quarters, classroom and instructional plant, gymnasium, guard room, athletic equipment, swimming pool, and use of library.

The contract calls for \$7,732.00 per month to be used for instruction of the students. Medical service, including hospitalization and dental care of emergency nature, was estimated at \$1,000 per month.

Included in the contract as Schedule 3 is a statement identifying the College buildings and stating the general extent of use thereof for the Training Unit. The buildings used and the extent of their use are as follows: Messing and Living Quarters, Potter Hall and

West Hall, 100%; Classroom and Instructional Plant: Cherry Hall, 33 1/3%;
Van Meter Hall, 50%; Gymnasium (Guard Room), 1.4%.

50% of 2/3

The contract provides that the College will provide instruction for not more than 400 trainees at any one time, but stipulates that a larger number may be given instruction with the consent of the College.

According to the terms of the contract, the College provides medical care, services, and supplies, including hospitalization and dental care of an emergency nature. The College also prepares and serves three meals per day to the trainees, which shall not number more than 400 at any one time unless agreed to by the College. The Government agreed to pay the College for subsistence at the rate of \$1.07 per man per day, of which sum eighty cents represents raw food costs.

The College provides light, heat, water, power, janitorial services, and all other services and supplies for the operation and maintenance of the property and facilities used by the Training Unit under the terms of the contract. The College receives \$1,393 per month for these services.

The contract provides for revision of rates from time to time as requested either by the College or the Contracting Officer. Notice of request for revision of rates must be made by the College or the Contracting Officer within thirty days after the expiration of each three months period. The Contracting Officer and the College will mutually agree upon the revised rate or rates and the effective date thereof, subject to the approval of the Commanding General, AAF Materiel

Command. If agreement on revised rate or rates cannot be reached within thirty days after a request for revision is made, the Under Secretary of War shall determine the revised rate or rates and the effective date thereof.

Title to property purchased by the College under activating expenses is vested in the Government. No property to which the Government acquires title shall be or become a fixture or realty by reason of being affixed to any realty, and said property may be removed or otherwise disposed of upon the expiration or termination of the contract or any renewal thereof.

The term of the contract extends to 30 June 1943, but it is provided that the contract may at the option of the Government be renewed annually. No such renewal shall extend beyond six months after the date of termination of the unlimited national emergency, as declared by the President of the United States on 27 May 1941.

The Government may terminate all or any part of the contract at any time by giving the College ninety days' notice in writing. It is expected that upon the expiration or termination of the contract, the Government and the College will be able to agree upon a fair arrangement as to the use of or disposition of the property which the Government acquired title to under activating expenses. The Government has the right to renegotiate the contract to eliminate therefrom any amount found to be excessive profits.

Activation of the Detachment was authorized by

¹General Orders No. 44, Headquarters, AAF Southeast Training Center, Maxwell Field, Alabama, dated 22 April 1943. Immediate order to activate was by ²telegram dated 22 April 1943.

³West Hall, a four-story building including basement, was constructed in 1929. It has ninety-one ⁴rooms, two fire escapes, forty-five toilets, forty-five sinks, and forty-five baths.

⁵Potter Hall, a four-story building including basement, was constructed in 1920. It has eighty-nine ⁶rooms, no fire escapes, seventeen ⁷toilets, twenty-nine ⁸sinks, nineteen showers, and two baths, inside enclosed stairways.

Messing facilities will accommodate 500 men.

Seating capacity at one time is 250. Food, which is served cafeteria style, is prepared under direction of a civilian dietitian and three chefs. Four hundred men can be messed in forty minutes or less. An average of twenty-two unskilled laborers, which includes food handlers and so forth, are employed in the kitchen and mess hall. The ⁹kitchen and ¹⁰mess hall are located in the basement of Potter Hall, and equipment is complete and modern.

1. Exhibit I, pp. 1, 2.
2. Exhibit II, p. 1.
3. Exhibit III, pp. 1, 5.
4. Ibid., pp. 7, 17, 21, 22.
5. Ibid., pp. 1, 3, 4.
6. Ibid., pp. 8, 23.
7. Ibid., p. 18.
8. Ibid., p. 20.
9. Ibid., p. 15.
10. Ibid., p. 15.

Dr. Lewis Fine has been the Contract Physician since the Detachment was activated. He is paid a monthly salary of \$250.00. Sick Call is held in the ¹¹dispensary, located in the Physical Education Building, every morning. The infirmary is located in the basement of West Hall. There are nine ¹²rooms, ¹³kitchen, and eighteen beds included in the infirmary. Medical personnel consists of three enlisted men, a Sergeant, Corporal, and a Private First Class, who are on detached service of a permanent nature from Maxwell Field, Alabama. First Aid Kits are maintained in the office of the Commanding Officer, in both dormitories, and in the two vehicles.

The following physical facilities have been available, exclusively or in part, for Aircrew Students: twenty-seven ¹⁴classrooms, three physics laboratories, and one ¹⁵auditorium. All classrooms are equipped with necessary desks, chairs, blackboards, maps, etc. The physics laboratories have all apparatus necessary for the performance of the required and supplementary experiments. The auditorium is supplied with a 16 mm. projector and screens for visual instruction work. All instructional materials in the way of books, pencils, paper, etc., have been provided by the College except that after a few months, the Students were required to buy pencils and paper for individual use.

Facilities for military training include ¹⁶a drill field and ¹⁷stadium. The stadium is used for the Saturday afternoon reviews.

- 11. Ibid., p. 14.
- 12. Ibid., p. 24.
- 13. Ibid., p. 25.
- 14. Ibid., pp. 29, 30.
- 15. Ibid., p. 27.
- 16. Ibid., p. 12.
- 17. Ibid., p. 11.

Five guidons and parade ground markers also are used. Regimental Colors have been ordered by the local Chamber of Commerce and will be donated to the Detachment.

Indoor facilities for Physical Training include: two indoor¹⁸ basketball courts, two handball courts, four indoor volleyball courts, ten tumbling mats, one horizontal bar, one parallel bar, two climbing ropes, two spring boards, one buck, one side horse, one indoor running track (1/16 mile).

Outdoor facilities for Physical Training include: three basketball courts, ten volleyball courts, one outdoor¹⁹ swimming pool (60 x 120), five²⁰ softball diamonds, one quarter-mile track, and nine tennis courts.

Facilities for flying include two runways, both 4,000 feet long by 150 feet wide of rock asphalt. Runways are used exclusively for landings and take offs. The hangar accommodates twenty-six light airplanes such as L-3's and L-4's. In conjunction with the hangar, there is an²¹ administrative building of gray sand brick that houses a shop, student and instructor ready rooms, students' classroom, three administrative offices, and a good-sized recreation room. Since 1 July 1943, Army Reconnaissance have been based at the field. These units have set up control facilities such as radios and light gun in the control tower, which is atop the Administrative Building. The control

18. Ibid., p. 10.

19. Ibid., p. 6.

20. Ibid., p. 12.

21. Ibid., p. 31.

facilities are very adequate, and as yet there have been no complications in handling traffic. Since this program inception, there has been only one forced landing--attributed to engine failure. There have been no forced landings resulting from mechanical or structural failure other than the one just mentioned. There has been only one accident in ten months of operation. In this accident, the instructor made a slow turn too near the ground, and the airplane stalled into some trees. Slight injuries were suffered by the instructor only. All mechanical repair and maintenance is done at the shop, other than the major overhaul, which is done in the headquarters of the Owensboro Aviation Corporation at Owensboro, Kentucky. The field is fully lighted with runway lights, a lighted wind tee, a beacon light, and boundary lights.

Recreational facilities include the following:

College library, which is kept open for Aviation Students to utilize on their free time; the Cedar House, which serves the purpose of a Student Union Building where games, ping pong tables, lounge fixtures, and dance floor space is available. There is a ping pong table in each dormitory. College instruments, gymnasium, and athletic equipment are made available to Aviation Students on their free time. The swimming pool is open to the Students in the summertime. A War Room, the showing of G. I. Movies, Intra-Squadron athletic contests, and Friday night dances account for other free time. Also there is an assembly where indoctrination talks are given by the Detachment Commander.

Bowling Green is located in Warren County, Kentucky, at the head of navigation on the Barren River and within two hours drive

of Mammoth Cave National Park. This city is on the main line of the Louisville and Nashville Railroad. It is one hundred and fourteen miles south of Louisville and sixty-seven miles north of Nashville; and it is on Highway 31W, the chief artery of travel between the North and South. It is also on US Highway 68 and State Highway 71 and 80. Including resident students, Bowling Green has a population of approximately 20,000. It has approximately seventy miles of tree-lined asphalt streets and maintains an excellent system of public schools. About twenty-five churches represent practically all denominations. A system of parks and playgrounds, including a Municipal Golf Course, is adequately maintained. The city airport is approximately a mile and a half from the College. The principal industries of Bowling Green are tobacco marketing, agriculture, live stock marketing, and the College and the Bowling Green Business University. There are three theatres, two bowling alleys, two modest night clubs, and forty-three eating places.

DETACHMENT PERMANENT PARTY PERSONNEL AND ITS ADMINISTRATIVE ORGANIZATION

The four (4) officers of this Detachment are as follows:

Commanding Officer, George S. Updegraff, Captain, Air Corps, 01288330.

Adjutant, Allan E. Hadley, 1st Lt., Air Corps, 0444594.

S-2 and S-4, Hubert D. Osteen, 1st Lt., Air Corps, 0924262.

S-3, Alfred M. Collins, 1st Lt., Air Corps, 0567713.

The eleven (11) permanent party enlisted men of this Detachment are as follows:

Sgt. Major, Henry H. Vaughan, Jr., T/Sgt., 14069019.

Personnel NCO, Jacob Zandt, S/Sgt., 36168295.

Plans and Training NCO, Allan W. Lerner, S/Sgt., 20309285.

Supply NCO, Daniel J. Rusnak, Sgt., 35564275.

Service Record Clerk, Eugene F. Donahue, Sgt., 32472167.

Statistical Clerk, George M. Herzig, Cpl., 15340320

Plans and Training and Supply NCO, Dan L. Neighbors, Cpl., 14202753.

Mail Clerk, Pat Sweeney, Cpl., 15068978.

Medical Department, Walter S. Jaroslowski, Sgt., 36167082.

Medical Department, Joseph T. McCarthy, Cpl., 31053054.

Medical Department, John H. Flake, Pfc., 35158286.

The two (2) Civil Service employees of this Detachment are as follows:

Miss Mary Lou Kister, CAF-2.

Miss Dorothy L. Smith, CAF-2.

Aviation Students are organized for administrative purposes into Groups and Squadrons and Flights by the Commanding Officer of the Detachment, assisted by officers and noncommissioned officers detailed as his assistants.

Under the direct supervision of the Plans and Training Officer, the Aviation Students' Organization is commanded by Aviation Student Officers appointed by selection according to their military ability and with due consideration to their academic standing.

Aviation Students occupy two barracks, West Hall housing 220 men and Potter Hall housing 180 men. Student maintenance of barracks is under the supervision of an Aviation Student who is appointed Barracks Chief. There is an assistant on each floor known as a Floor Chief. Squadron Officers supervise the seating and conduct of their respective squadron in the mess hall. No talking is allowed in the mess line. Men can talk quietly while eating. Sick Call is at 0715 during the week and at 1000 on Sundays.

The Academic Board is composed of Captain George S. Updegraff, President; 1st Lt. Allan E. Hadley, Recorder; 1st Lt. Alfred M. Collins, Member; and Dr. Lewis Fine, Contract Surgeon. The Board directs all matters concerning the elimination of Aviation Students from College Aircrew Training. There have been twelve cases of elimination since the beginning of the Detachment.

Recreational activities are under the supervision of 1st Lt. Allan E. Hadley, the Special Service Officer; various members of the permanent party; and hostesses in the Recreation Building. A

newspaper, organized and published by Aviation Students under the supervision of the Public Relations Officer, has been discontinued recently because of lack of time by the Aviation Students. A Wives' Club meets weekly and plans weekend activities for the married personnel of the Detachment. This organization renders other services, such as helping new wives to get settled and acquainted in Bowling Green.

The Commanding Officer makes monthly inspections of the College to see that terms of the contracts are complied with. Two inspections by representatives of the Inspector General's Department and one inspection from the Assistant to the Field Air Inspector have been made. Two Academic Inspections have been made by representatives from Headquarters, Eastern Flying Training Command. The Civil Aeronautics Administration instructors' flying and instructing technique are checked twice each month, once by the resident flight supervisor and once by the chief pilot.

AVIATION STUDENT TRAINING PROGRAM, ITS CHARACTER AND ADMINISTRATION

The character of the program of academic instruction for Aircrew Students has been determined largely by the general training objectives as outlined in T. C. Memorandum 50-25-1, 24 February 1943, and revision, 25 November 1943.

The program of academic instruction for Aviation Students is definitely different from that provided for regular college students. It is a specific type of program designed for a specific type of student preparing for a specific type of military responsibility. All persons participating in academic instruction have a clear understanding of the functions and objectives of the program.

The purposes of the different subjects and activities are kept in harmony with the general objectives of the total program. The subject matter of the various courses has been selected with a view to the needs of the Students concerned, but always in keeping with the general objectives and course outlines submitted by the military authorities. All courses and activities have been scheduled so as to avoid conflicts and to provide maximum opportunities for individual study and achievement on the part of the students.

Course outlines and teaching plans are submitted in advance to the Director and through him to the Detachment Commander. These outlines are being constantly revised and improved as experience and directives from the military authorities suggest.

Classroom methods and procedures based on sound educational principles are employed. Instructional techniques are constantly re-examined in the light of the objectives of the College Training Program and of the ability and achievement of the individuals and groups concerned.

Regular written reports of the progress of the trainees are required. Cumulative records of the proficiencies of each Aviation Student are kept in the office of the Director of Academic Instruction, and such reports are transmitted to the proper authorities as the Detachment Commander may direct.

Daily conferences with instructors, frequent meetings of the Committee on Academic Instruction, and occasional meetings of the entire staff are held for the purpose of keeping the program on a unified, integrated, and progressive basis.

The Director of Academic Instruction spends some time in visiting the classrooms and laboratories for the purpose of observing instructional activities. Visits are followed by conferences with instructors.

It is the purpose of the administrative and instructional staffs of the Ground School to cooperate fully at all times with the military authorities in planning and improving the program, in accomplishing the functions and policies herein set forth, and in doing whatever else may from time to time seem necessary and desirable for the effective training of Aviation Students.

The organization and administration is as follows:

President of the College - Paul L. Garrett, LL.D.

Director of Academic Instruction - F. C. Grise, Ph. D., Dean
of the College.

Committee on Academic Instruction:

Director, President of the College, Heads of Departments offering academic courses, and the Commanding Officer of the Detachment.

The members of the instructional staff possess academic training and other qualification adequate for their assignments. Most of them are teaching in their major fields of preparation. None of them is teaching in a field in which he has less than an undergraduate and/or graduate minor. The list of instructors follows:

C. A. R. is given by Warner M. Willey, Ph. D.

The English Department is headed by Gordon Wilson, Ph. D., and includes seven qualified instructors.

The Geography Department is headed by Mary Marks, M. A., and includes three qualified instructors.

The History Department is headed by A. M. Stickles, Ph. D., and includes five qualified instructors.

The Mathematics Department is headed by H. M. Yarbrough, Ph. D., and includes five qualified instructors.

The Physics Department is headed by George V. Page, M. S., and includes six qualified instructors and three qualified laboratory assistants.

Medical Aid is under the direction of Vernon T. Hornback, M. A.

Aviation Students are organized for administrative purposes into Groups and Squadrons and Flights by the Commanding Officer of the Detachment, assisted by officers and noncommissioned officers detailed as his assistants.

Under the direct supervision of the Plans and Training Officer, the Aviation Students' Organization will be commanded by Aviation Student Officers appointed by selection according to their military ability and with due consideration to their academic standing. All Student Officers hold rank on these conditions and are appointed as follows:

One Group Commander	Major
One Group Adjutant	Captain
One Group Supply Officer	1st Lt.
One Group Sgt. Major	Sgt.
Squadron Officers (Per Squadron):	
One Squadron Commander	Captain
One Squadron 2nd in Command	1st Lt.
Two Flight Lieutenants	2nd Lt.
1st Sergeant	Sgt.

Flight Sergeant	Sgt.
Guide Sergeant	Sgt.
Squadron Corporals	Cpl.

Aviation Student/^{Officers} may turn in delinquency reports, but punishment is meted by the Plans and Training Officer only. If an Aviation Student accumulates more than five demerits in one week, he walks a one hour tour for each demerit over five. An Aviation Student walks two tours for each demerit over nine. Punishment Tours are walked on the stadium track during Open Post periods only. An Aviation Student can walk but three Punishment Tours in any one day and no more than two in succession in accordance with existing regulations. An Aviation Student with a balance of unwalked Punishment Tours is not eligible for Open Post privileges. Punishment Tours are walked at strict attention and at a 120 step per minute cadence.

The Aviation Students' Physical Training is conducted by Mr. Frank Lawrence and is under the supervision of Air Corps personnel. The program consists of calisthenics two days a week led by Mr. Lawrence with the assistance of Aviation Student Group Officers, who help count cadence and maintain discipline; cross country runs two days a week; group games two days a week; and swimming for one squadron each day in season. The Aviation Students are given the AAF Physical Fitness Test when they enter this Detachment and again one week before departure.

Civil Aeronautics Administration personnel consists of a chief pilot, resident flight supervisor, ten instructors, and

four secretaries. The Flight Schedule is so arranged as to have twenty students report for flight training every two hours. Since there are ten instructors and eighty students to fly, each instructor has eight students; however, only six of these students fly each day. The first flight leaves the flight line promptly at 0800. All of the planes are started and taxied out for take off at the same time and take off in quick succession. All flights are flown according to schedule, as it makes greater efficiency throughout the training. The instructors have an hour and a half for lunch, and the first flight after lunch takes off at 1300. The airplanes are refueled between each two flights. There is a line crew that does nothing but attend to the maintenance and care of the airplanes before, between, and after flights. Since the beginning of the program 1 May 1943, the Owensboro Aviation Corporation has given the complete ten hours to every Aviation Student in every class before leaving for further aircrew training. Only two Aviation Students have been eliminated because of air sickness, or fear and apprehension. It has been estimated that approximately 60% of the Aviation Students that finished would be capable of solo on their date of completion. Many are ready at eight hours. The instructors' flying and instructing technique are checked twice each month to assure the students' having a thorough knowledge of each maneuver that is required. A full time ground instructor who is a commercial pilot and who has spent three or four hundred hours instructing in an indoctrination course is employed. Since Students fly in groups of ten at a time, ten Students are left on the

ground to receive an hour of ground school. When their turn comes to fly, the Students who have just completed their hour of flying attend ground school; so each man receives one hour of ground school each day in addition to fifteen minutes of ground school given him by his instructor after his flight. None of the instructors have less than 1,000 flying hours, at least 600 of which have been spent on Student instruction. Each Student receives fifteen hours of Civil Air Regulations under the direction of the College Academic Department.

FLOW OF STUDENTS

The date on which Aviation Students have arrived and left this Detachment are as follows:

ARRIVED		LEFT	
3 April 1943	400	16 May 1943	18
2 June 1943	18	22 May 1943	80
11 June 1943	80	19 June 1943	80
19 July 1943	81	20 June 1943	12
21 July 1943	12	17 July 1943	80
17 August 1943	81	21 August 1943	80
1 September 1943	80	4 September 1943	80
23 September 1943	83	18 September 1943	80
27 September 1943	71	16 October 1943	80
14 October 1943	9	20 November 1943	80
26 October 1943	83	18 December 1943	80
24 November 1943	81	11 January 1944	2
21 December 1943	82	22 January 1944	23
24 December 1943	1	9 February 1944	77
2 February 1944	22	19 February 1944	73
16 February 1944	86		

SUMMARY AND EVALUATION

After the College had been approved for participation in the Army Air Corps training program by Army Air Forces Southeast Training Center, Maxwell Field, Alabama, and Flying Training Command, Fort Worth, Texas, the College was eliminated from consideration by the Civil Aeronautics Administration, because there were no adequate facilities at the local field such as hangar, classroom space, etc. This hurdle was overcome when Owensboro Aviation Corporation agreed to build the necessary facilities on condition that they were to give the flight training and to receive a twelve-year lease from Bowling Green and Warren County for the use of the airport.

The necessary dormitory facilities were provided by housing civilian students in town and turning over the two girls' dormitories on the campus for use by the Aviation Students. The contract provided for approximately \$13,000 to be spent in activating expense for material and equipment. The largest item in this expenditure was for changing to the cafeteria system of service in the dining room and the supplying of additional equipment in the kitchen. Other major items were six dozen double-decker beds with mattresses, the installation of fire escapes and showers in the dormitories, and the provision of additional athletic equipment.

The College had an adequate teaching staff with the exception of the Department of Physics, to which it was necessary

to add four additional members. It was also necessary to increase the permanent staff of the dining hall, since the College had used a large number of students for that work.

As concerns the establishment of headquarters offices for military personnel, no problems were encountered, as the College was able to furnish desks, chairs, typewriters, a mimeograph machine, and other equipment. Personnel was furnished by the Eastern Flying Training Command. Enlisted personnel was adequate, but at times there were only two officers present at the Detachment, and replacements were slow in arriving. No major problems of administration were encountered.

The Military, College, and Flying Training staffs of this Detachment have earnestly endeavored at all times to discharge their duties efficiently and intelligently. They have attempted to keep uppermost in their minds always the great importance of constant supervision to assure that Aviation Students receive proper instruction and training in all phases of the curriculum. Inspections made so far by representatives of higher echelons would indicate that these objectives have been attained.

BIBLIOGRAPHY

- Aviation Student Regulations, 321st College Training Detachment (Aircrew), Western Kentucky State Teachers College, Bowling Green, Kentucky.
- War Department Training Unit Contract W2119 ac-139 between The United States of America and Western Kentucky State Teachers College.
- 2nd Indorsement to letter, subject: "Data for Station History", dated 23 February 1944, Lt. Hubert D. Osteen, Property Officer, 321st College Training Detachment (Aircrew), Western Kentucky State Teachers College, Bowling Green, Kentucky.
- Folder entitled "Information Concerning Western Kentucky State Teachers College, Bowling Green, Kentucky", Mr. Kelly Thompson, in charge of Public Relations, Western Kentucky State Teachers College, Bowling Green, Kentucky.
- Letter from Miss Florence Schneider, Bursar, Western Kentucky State Teachers College, 1 March 1944.
- Letter of intent to College, War Department, Air Corps, Materiel Division, Office of the District Supervisor, Central Procurement District, Detroit, Michigan, Paul Pershing Hook, 1st Lt., Contracting Officer, 12 March 1943.
- Memorandum from Mr. E. C. Gammon, Chief Pilot, Owensboro Aviation Corporation, dated 2 March 1944.
- Memorandum from Dr. Paul L. Garrett, President, Western Kentucky State Teachers College, dated 27 February 1944.
- Memorandum from Mr. Frank Lawrence, Physical Education Department of Western Kentucky State Teachers College, dated 24 February 1944.
- Report of the Air Corps Site Board, A-3, AAF Southeast Training Center, Maxwell Field, Alabama, dated February 1943.
- Special Orders, Detachment Headquarters' file, 321st College Training Detachment (Aircrew), Western Kentucky State Teachers College, Bowling Green, Kentucky.

EXHIBIT I

EXHIBIT I

HEADQUARTERS
 ARMY AIR FORCES SOUTHEAST TRAINING CENTER
 Maxwell Field, Alabama

40-1/eh

GENERAL ORDERS)
 NO. 44)

April 22, 1943.

CONSTITUTION AND ACTIVATION OF COLLEGE TRAINING DETACHMENTS (AIRCREW).

1. Pursuant to authority contained in letter TAG, April 17, 1943, subject: "Constitution and Activation of College Training Detachments (Aircrew)," file AG 320.2 (4-15-43) OB-I-AFRFG-M, and letter Headquarters, Army Air Forces Flying Training Command, April 20, 1943, same subject as above, and file 352.191 Col. Tr., the following listed Hq, College Training Detachments (Aircrew) having been constituted and assigned to this Training Center will be activated by the senior Air Corps officer on duty thereat, at the station indicated, on April 25, 1943:

<u>Unit</u>	<u>Station</u>	<u>Priority Rating for Controlled Items of Equip.</u>
Hq, 321st College Training Detachment (Aircrew)	Western Kentucky State Teachers College, Bowling Green, Ky.	C-1-1823

2. Each detachment will initially be formed from the officer personnel except officers of the Medical Corps, and enlisted personnel on detached service of a permanent nature now on duty with the College Training Program at the respective colleges indicated above. Transfers of enlisted personnel will be effected without loss of grade.

3. Personnel replacement will be accomplished in the usual manner by submission of the AAF Forms 127 and 128 (Personnel Status Reports).

4. The strength of each detachment and the allotment of enlisted grades will be published in a separate communication.

5. A report will be submitted by letter to the Commanding General of the Service Command concerned, and The Adjutant General, giving the following information:

- a. Unit activated.
- b. Date of activation.
- c. Units furnishing cadres.
- d. Size of cadres.

6. Twenty (20) copies of each activation order issued pursuant to the authority contained in this General Order will be forwarded without delay to the Commanding General, Army Air Forces, (Attn: Publications Section, Air Adjutant General's Office).

7. AAR Regulations 15-107, December 12, 15-108, December 15, 1942, Technical Order OO-25-3A, and paragraph 12, AR 345-900, will be complied with immediately.

A TRUE EXTRACT COPY:

Allan E. Hadley
 ALLAN E. HADLEY,
 1st Lt., Air Corps.

By command of Brigadier General WELSH:

OFFICIAL:

D. D. FITZGERALD,
Colonel, Air Corps,
Actg. Chief of Staff.

PHILIP DOBDRIDGE,
Colonel, A. G. D.,
Adjutant General.

A TRUE EXTRACT COPY:

Allan E. Hadley

ALLAN E. HADLEY,
1st Lt., Air Corps.

EXHIBIT II

WESTERN UNION

EXHIBIT II

MSG 112 GOVT 2 EXTRA --- WUX WASHINGTON DC APR 22 104 1P
CO - CTD FOR AIRCREW
WESTERN KY STATE TEACHERS COLLEGE

AUTHORITY LETTER PTC APRIL 20 1943 AND LETTER TAG APRIL 17 1943 FILE 320
POINT 2 APRIL 15 1943 OB DASH APRPG DASH M AND GO NUMBER 44 CS THIS HQ
ACTIVATE YOUR DET ON APRIL 25 1943 AS HQ 321 ST CTD PAREN AIRCREW PAREN
COMPLY WITH PAR 12 AR 345 DASH 900 ISSUE SPECIAL ORDERS ON APRIL 26TH
TRANSFERRING INTO YOUR CTD ALL COMMISSIONED PERSONNEL EXCEPT MEDICAL OFFICERS
AND ALL ENLISTED PERSONNEL IN GRADE NOW ON DS OF A PERMANENT NATURE FURNISH
IMMEDIATELY COPIES OF SPECIAL ORDERS TO THIS HQ AND STATIONS AND DETACHMENTS
FROM WHICH SUCH PERSONNEL ARE TRANSFERRED FURTHER WRITTEN INSTRUCTIONS
FOLLOWING END SECO 301--

WLSH AAFSETC MAXWELL ALA.

PTC 20 1943 17 1943 320 2 15 1943 OB APRPG M GO 44 CS HQ DET 25 1943 AS HQ
321 ST CTD PAR 12 AR 345 900 26 TH CTD DS HQ SECO 301 WLSH AAFSETC

A TRUE COPY:

Allan E. Hadley

ALLAN E. HADLEY,
1st Lt., Air Corps.

EXHIBIT III
(Photographs)

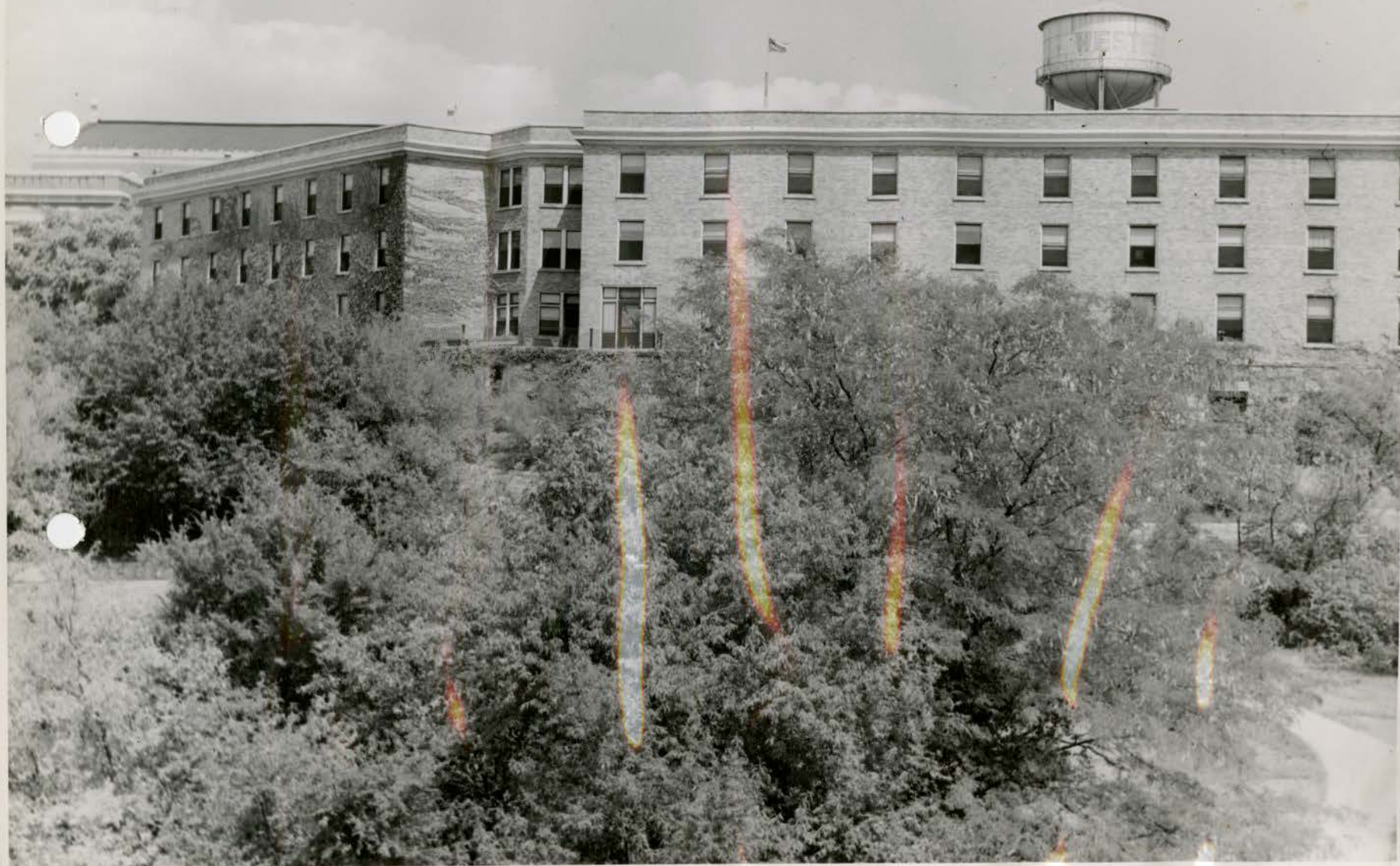
A P P E N D I X

History Of

321st COLLEGE TRAINING DETACHMENT(AIRCREW)
Western Kentucky State Teachers College
Bowling Green, Ky.

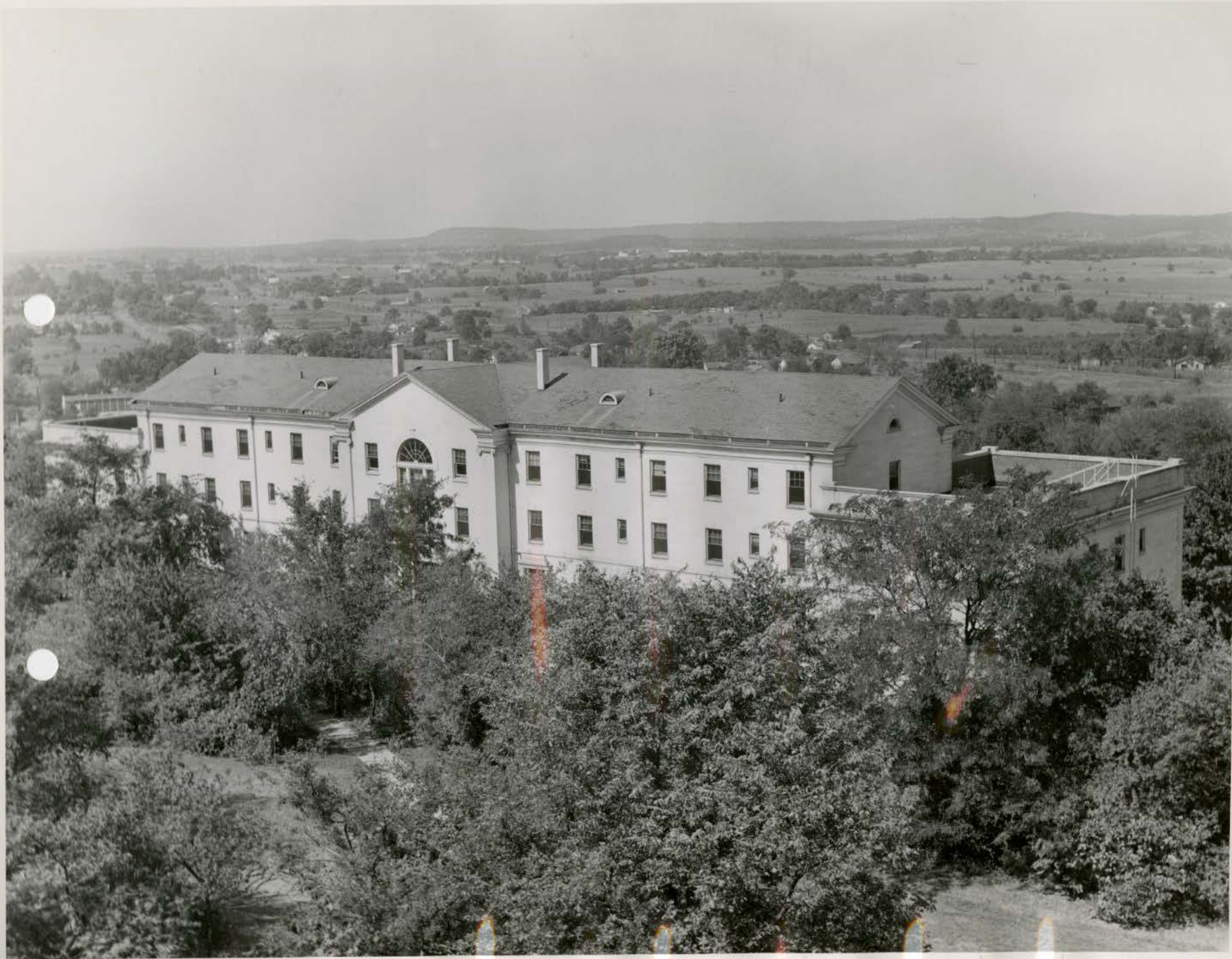


CHERRY HALL
CLASSROOM AND HEADQUARTERS BUILDING



POTTER HALL DORMITORY, WESTERN KENTUCKY
STATE TEACHERS COLLEGE, BOWLING GREEN, KY.

This picture of Potter Hall was taken from
the west side. The kitchen and mess hall
for aviation students of the 321st College
Training Detachment are located in the
basement of this building. Eight-nine
students rooms are included in the building.



FRONT VIEW OF WEST HALL, A BARRACKS
WHICH HOUSES APPROXIMATELY 220 AVIATION STUDENTS



STADIUM AND ATHLETIC FIELD

The stadium of Western Kentucky State Teachers College accommodates 4000 spectators. The field is used by the 321st College Training Detachment for drill and reviews.



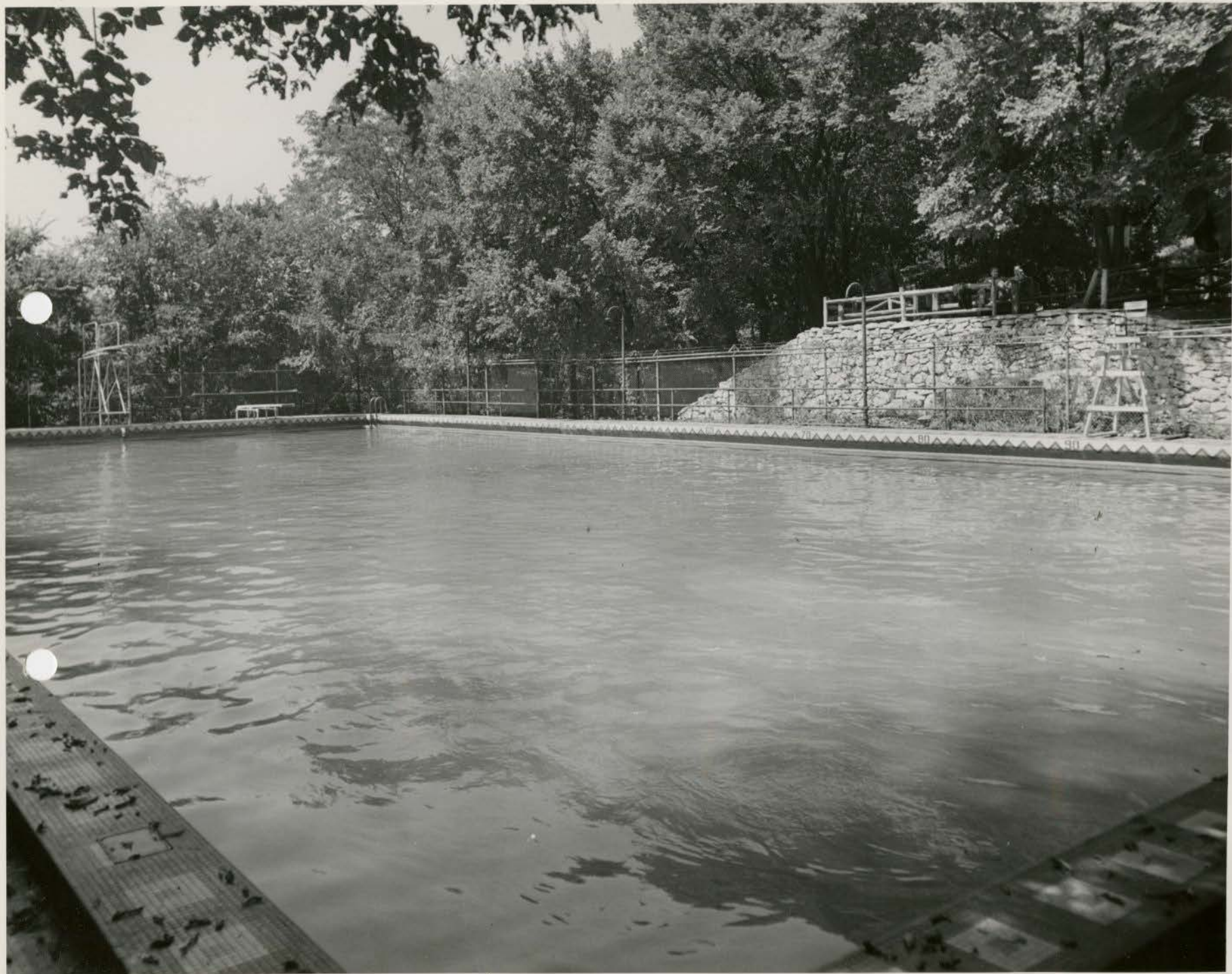
PHYSICAL EDUCATION BUILDING.

This building includes a large gymnasium, a number of classrooms, locker rooms and the infirmary of the 321st College Training Detachment.



INTERIOR VIEW OF GYMNASIUM OF WESTERN
KENTUCKY STATE TEACHERS COLLEGE, BOWLING
GREEN, KY.

The gymnasium, which is used by the
321st College Training Detachment, has
inside dimensions of 100 by 180 feet and
a seating capacity of 4000.



COLLEGE SWIMMING POOL-
ADJACENT TO THE GYMNASIUM.
DIMENSIONS 120 FT X 60 FT.



LOBBY OF POTTER HALL, WESTERN
KENTUCKY STATE TEACHERS COLLEGE,
BOWLING GREEN, KY.



WEST HALL LOBBY, WESTERN KENTUCKY
STATE TEACHERS COLLEGE, BOWLING
GREEN, KY.

Families and friends of the students
of 321st College Training Detachment
are permitted to visit in the well
furnished and attractive lobby pictured
here during hours of open post.



STUDY HALL IN WEST HALL DORMITORY,
WESTERN KENTUCKY STATE TEACHERS
COLLEGE, BOWLING GREEN, KY.



DISPENSARY FOR STUDENTS OF 321st COLLEGE
TRAINING DETACHMENT

The modern, well-equipped dispensary is
located in the Physical Education Building
of Western Kentucky State Teachers College,
Bowling Green, Ky.



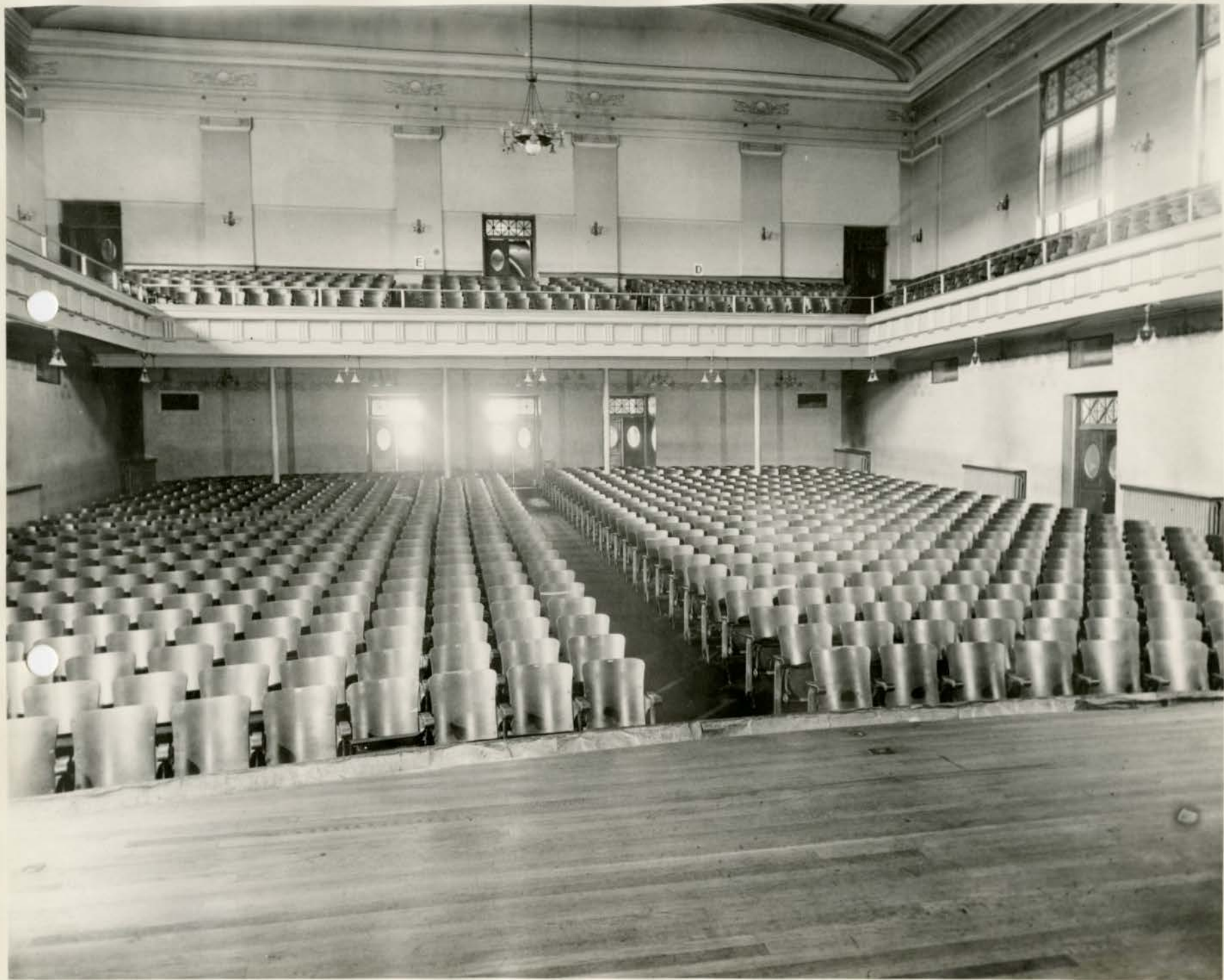
BATH ROOM. WEST HALL



LECTURE ROOM, ACCOMMODATING
132 - CHERRY HALL.



PERSONNEL HEADQUARTERS,
CHERRY HALL



AUDITORIUM, SEATING CAPACITY
1600, VAN METER HALL, (ADMIN-
ISTRATION BUILDING).



DORMITORY ROOM, HOUSING TWO
STUDENTS - WEST HALL.



MESS HALL KITCHEN, BASEMENT
FLOOR - POTTER HALL.



THE MESS HALL, BASEMENT
FLOOR OF POTTER HALL.



LAVATORY AND SHOWER ROOM,
POTTER HALL DORMITORY.



HANGAR AT MUNICIPAL AIRPORT, BOWLING
GREEN, KY.

Flight training and ground school instruction is given Aviation Students of the 321st College Training Detachment at the Bowling Green Airport by the Owensboro Aviation Corporation. The airport is located one and a half miles south of Bowling Green.



STAFF OF 321st COLLEGE TRAINING DETACHMENT,
WESTERN KENTUCKY STATE TEACHERS COLLEGE,
BOWLING GREEN, KY.

From left to right: 1st Lieutenant Allan
E. Hadley, Adjutant; 1st Lieutenant Alfred
M. Collins, S-3; Captain George S. Updegraff,
Commanding; 1st Lieutenant Hubert D. Osteen,
S-2 and S-4.

REDI COVER
USE "W.J." FASTENER
FOR BINDING SHEETS
TO DUPLICATE REFER TO NUMBER
B447-63

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