

Duke Chemists, Physicists Conduct Secret War Research

By DAVE GOODWIN

Revealed for the first time were some of the facts concerning the war research being done by the Chemistry Department and the Division of War Research at Duke.

The two units work independently of each other and have separate contracts with the Office of Scientific Research and Development under the supervision of the National Defense Research Committee. Duke University is a private contractor to the OSRD and it is the members of these two departments, assisted by outside scientists consulting with them, who carry on the research.

It was possible to reveal that some of the devices being developed here are now being used on the fighting fronts, although all of the problems which the two departments are investigating are classified by the Government as secret, confidential or restricted. Only a few key men know the ultimate significance of their work and many of the people on the staffs who are performing the actual research have only limited knowledge of the relationship between their results and the results of their fellow workers.

The chemistry unit has been in operation since before the war under the general direction of Dr. Paul M. Gross, head of Duke's chemistry department. Other members of the Chemistry Department have cooperated in these projects, including Drs. Bigelow, Hauser, Hill, Saylor and Bradsher. A staff of approximately 24 has been devoting its attention to five major problems, three of which have already been finished for the Navy Department. The other two general projects, one in the medical field and the other for the air corps, are being rushed to completion.

The Division of Physical War Research, under the supervision of J. P. Maxfield, director, assisted by H. C. Silent, assistant director, and Dr. F. W. Constant of the Physics Department, was formed in September, 1942, for the sole purpose of carrying out an Office of Scientific Research and Development contract involving the detection and measurement of sound. The group working on this contract consists of approximately 25 scientific and technical workers. The staff has been concentrating its efforts on approximately nine major problems of which four have been completed and some of the remainder are ready for trial in the field. Entrance to the section of the building in which this research is housed is patrolled by armed guards and admittance is by special permission only.

For reasons of national security most of the details of Duke's scientific contribution to the war effort probably will not be released until after the war.

Physio-therapists To Invade Greece

Ruth Whittemore and Barbara Lee, graduate physio-therapists now working under Miss Helen Kaiser in the Duke University School of Physical Therapy, are preparing for an early "invasion" of Greece.

Training in the Duke school is one stage in the preparations of the two women for the establishment of a physical therapy clinic in Athens, Greece. Primary purpose of the clinic in Athens will be that of a demonstration and training clinic to develop physical therapists for work in the Near East. The entire clinic is to be financed by the Near East Foundation.

The two women came to Duke the first of the month, and after one month of work here, they will go to the University of Maryland for final training before leaving for Greece.

Miss Dee, a native of Cambridge, Mass., received her college degree from Simmons College in Boston. She holds M.A. degrees from Harvard and Columbia, and later received her physical therapy training at Harvard Medical School.

Miss Whittemore, from Fitchburg, Mass., trained in physical therapy work at Boston University. For the past six years she has worked in Cleveland, Ohio as NBC network.

Name Markham and Smurthwaite New Members of WSAB

Student leaders Charlie Markham and Mac Smurthwaite were this week elected to posts in Wartime Social Activities Board replacing Dick Doyle and Ray Smith, who leave at the end of the current semester. Good board members elected last fall, Carolyn King and Mervin Greenwell, will keep their positions until May.

Terms of office for student members are indefinite, usually being filled by one person until he leaves school. Dean Alan K. Manchester, secretary of the board, is a permanent member. Smurthwaite, V-12 engineer, is a member of Phi-Heta. Markham is Chronicle editor as well as member of a number of honor fraternities including ODK and Phi Beta Kappa.

Problems created by the dwindling number of Navy trainees were discussed at the annual spring meeting of the Board Tuesday night. Also discussed were forthcoming spring social events and the possibility of a dance sponsored jointly by East and West campuses.

WSAB was created by the University Social Committee in September, 1943, to coordinate social activities on the two campuses and is entrusted with the duty of enforcing the social committee's regulations on dances and other affairs. The board is lax, however, in punishing violators of some rules such as the "no corsage" decree.

Glee Club Schedules NBC Concert In February

Duke's well-known Glee Club will make its twelfth radio appearance next month, when it sings over the National Broadcasting Company's nation-wide network February 3. A fifteen-minute program beginning at 1 p. m. will be under the supervision of director J. Foster Barnes.

The club is scheduled to leave by chartered bus Friday morning, February 2, and spend two days in New York's swank Ambassador Hotel. Thirty-seven members of the organization will be chosen to make the trip.

Numbers on the program will be chosen largely from those presented at the mid-winter concert here last Friday night. Until recently the broadcast time was unutilized, but the misunderstanding resulted in programs offered by Columbia as well as NBC network. Only the latter was accepted.

The Duke organization is one of the few college groups to continue its activities in spite of the uncertainties of wartime campus life. In addition to the home concert and the New York appearance, the group has sung at Sweet Briar and Greenboro Colleges, and will appear at Salem College before the end of this semester.

Chapel To Sponsor Guest Ministers

Five distinguished ministers will be speaking in the Chapel during the coming spring semester. The speakers, hailing from Eastern and Mid-Western states, claim for one of their number a former Navy chaplain.

Dr. Henry Crane of Detroit leads the schedule, speaking on

Their first radio concert was given on the Columbia network in 1937, and one has resulted each year since then, with two exceptions they have been on that network. These exceptions were appearance on the NBC chain. One program was presented over Columbia from the stage of Page Auditorium, when the musical comedy "Hayfoot, Strawberry" was broadcast. South

The Glee Club has sung Brahms' "Requiem," once with the Glee Clubs of Princeton and the State Teachers' College of Farmville, Virginia over NBC, and once in New York's Saint Bartholomew's Church with the choir of that church. A joint concert has been presented with the Harvard Glee Club, and Duke's group had a contract with the Yale club when the war prevented its materialization.

Programs have been broadcast via short wave to South America and have been heard in Europe, Pearl Harbor, and Australia. The Glee Club has also participated in two national concerts in Carnegie Hall. The usual New York trip was for a full week or more, but the present New York schedule limits all trips to week-ends.

Joseph Daniels Unable To Speak For WSGA Week

While continuing efforts to secure prominent speakers to round out the calendar for Women's Student Government Week of February 4 to 8, President Martha Nicholson revealed yesterday that former Ambassador to Mexico Joseph Daniels cannot accept the invitation to appear here.

In the week, to be highlighted by the lectures of news commentator Robert St. John and North Carolina Senator Josiah Bay, representatives from eight surrounding colleges and Duke School of Nursing will join East Campus coeds in studying and discussing various phases of government.

A forum Tuesday night, open only to visiting delegates, members of the President's Council, and members of WSGA Council, will deal with campus organizations, their relationship to each other and to student government, with the visiting coeds speaking of solutions of problems as worked out in their respective colleges.

In a Monday afternoon "gripe session" called "The Dissenting Student Speaks Her Mind," coeds will come to air their troubles with Council members.

Visiting coeds will arrive Tuesday morning, with their forums beginning that afternoon. Colleges represented are as follows: University of North Carolina, Wake Forest, University of North Carolina, University of South Carolina, Furman University, William and Mary, Westhampton (coordinate of University of Richmond), Mary Washington (coordinate of University of Virginia), Wake Forest, and Duke School of Nursing.

Soph Y Entertains 100 Navy Students

To push all books aside and forget exams, the Sophomore Y Commission will entertain approximately one hundred Navy students February 1 at a Valentine's dance in the Ark from 7 until 9:30. The men, chosen by the coeds, will receive invitations through the mail.

Headed by Ann Larkin, the Commission has sponsored during the semester Christmas caroling throughout the wards of Duke Hospital and tea for the Religious Emphasis Week speakers. It also assists the Junior Commission at Devil's Den.

Magidoff's Talk On Russia Opens Forum Discussions

Nina Magidoff, wife of Moscow's N.B.C. correspondent Robert Magidoff, will lecture on Russia in the Woman's College Auditorium at 8 o'clock February 1, opening the spring Student Forum series in the first event of the new semester.

Occupying her pre-war years with journalism for Russian publications, Mrs. Magidoff also became Fashion Editor in Moscow for a Paris paper. At the time Germany attacked their native country, the Magidoffs were living in the capital, but seven members of her family, near the front, were killed. Finding it unsafe to remain in Moscow, the Magidoffs fled the country via China, arriving here a little more than two years ago. Shortly after entering the country Mrs. Magidoff was asked to appear at a mammoth national war fund rally at Madison Square Garden. Although brief, her delivery received thundering applause from a deeply moved audience and established her reputation in this country.

She has just completed a seven-month tour of the United States and Canada, speaking to forty-eight colleges and universities, and was voted "Speaker of the Year" by Boston College students. Although Russian War Relief motivated her tour, she speaks on any phase of Russian politics, economics, religion, and relations with the United Nations.

Following her visit at Duke, which incidentally constitutes her first trip to the Deep South, Mrs. Magidoff will spend several days with President and Mrs. Roosevelt at the White House, and then proceed on another brief tour of Canada.

A dinner with the members of the Student Forum Committee will precede her talk.

COGS Posts War Bulletins In Union

To help work-weary coeds keep up with the latest war news and to help them relax, COGS has posted a eye-catching red poster with all the news developments in the union where three times daily the good life forms. This is the latest COGS project and is designed to make students more news conscious.

High Local Officials Offer Aid In Fight Against Cab Racket

Promise Stiff Measures

Rallying behind the Chronicle in its campaign against the illegal taxi-fare racket, high city officials are promising full cooperation in this effort to exterminate profiteering by the cab drivers.

A wave of interest followed the Chronicle's revelation last week of exorbitant hack rates. To most officials the unmasking of this racket came as a surprise, the majority stating they were unaware such a situation existed.

"By all means give us full information concerning offenders," stated City Manager Sturry Mahaffey. "Take down the cab number or license number, and turn in your report to my office. We will prosecute these drivers to the limit."

A. H. Borland, judge of the Recorder's Court, promised complete cooperation from the bench in this fight to clean up the city taxi service. "Every offender brought into court will be punished the maximum," \$50 fine and costs," he stated emphatically.

"I'm surprised at the students' gallibility, letting the drivers do that to them," said A. M. Harris, member of the City Council. "I don't realize such a situation existed, but the Council will investigate it immediately and take adequate measures."

Chief of Police H. E. King requested that victims of overcharging "notify the Police Department of violations at once so this racket can be broken up. We'll arrest these criminals immediately."

King's opinion, corroborated by the statement of the owner of a local taxi company, is that this illegal is perpetuated wholly by the cab drivers, with none of the blame being turned in to the company itself. Since unoccupied taxis are by law required to take on anyone who requests a ride, and since the company headquarters which dispatch the cabs have no interest in the racket, it was pointed out that this clean-up campaign would in no way boomerang on the Duke students because of taxis refusing to carry them.

Gillespie Speaks On Battle Surgery

Col. Frank E. Gillespie, British medical liaison officer to the United States, will lecture on Friday and Saturday to the faculty and students of the Duke University Medical School on the topic of "Front Line Surgery."

Col. Gillespie, who recently returned from a stay at the front in Italy, visited Duke and addressed several groups a year ago. He will speak under the auspices of the orthopedic department.

Here Is The Law—

(a) The rate for travel between any two points in the city is \$4.00 per trip, which covers any number of passengers up to five. It is unlawful for taxis to carry more than five at a time, and thus the driver can charge what he pleases—another fare in practice—for the excess load, since there are no legal rates.

(b) The driver cannot charge for transporting a reasonable amount of luggage with the passenger. The latter should tip at his discretion.

(c) The city can set no rate for taxis operating outside its limits. Again, it is up to the driver, but if the fare is excessively high he is probably charging more than is his company's policy.

(d) The maximum penalty for infringement of these laws is \$50 for each violation. And because the cabs are licensed public carriers, the drivers are just as guilty of breaking the law if they refuse transportation.

Pan-Hel Nominates

Bill Higginbotham, Mark Wickerson, and Malcolm Smurthwaite were nominated last Wednesday night for the presidency of the Men's Pan-Hellenic Council.

Final selection of the president and treasurer of the Pan-Hel will be made by a committee composed of Deans A. K. Manchester and H. J. Herring and Charles Jordan, Secretary of the University.

Nominees for treasurer were Bill Scanlon, Henry Alexander, and Jack Strahan. Elections of the vice-president and secretary will be made directly by the members of the Pan-Hel, and will probably take place at next week's meeting.

Higginbotham, a member of this year's varsity football squad and V-12 representative on the SGA, is a Phi Delta Kappa, president of Delta Tau Delta, starred in recent Hoop 'n Horn production "Too Many Good-byes." ATO president Smurthwaite, an engineer, is now serving on the WSAB.

4-F's Fight

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POLICE CHIEF KING
"We'll arrest these criminals..."

Union and Hospital Employing Twenty-Five Nazi Prisoners

Twenty-five German prisoners of war are now being used to solve the manpower shortage in the West Campus Union and the Hospital.

The POW's volunteered to work and are employed through an agreement with the United States Employment Service. The Union pays standard wages to the federal government, and the prisoners are in turn paid by the government in accordance with the rules of the Geneva Convention.

Fifteen of the prisoners work in two shifts at the hospital; the other ten work in one shift in the Union. If present plans are effected, the Hospital expects to employ about twenty-five more at a later date. The POWs are employed in the hospital laundry, sorting room and in dishwashing and general cleaning, while those sent to the Union are used only for cleaning.

J. E. Thompson, manager of the Union and Reid Holmes, assistant business manager at the hospital, report that the prisoners are excellent workers, very industrious and cheerful and quick to catch on to the work.

The men are brought from Camp Butner under guard each day and returned there at the end of their shift. A few of the prisoners in the hospital speak English, but none of those employed in the Union seems to be able to say any more than "Ja."

This has necessitated the use of sign language in giving the workers their instructions, but they are quick to catch on and with one demonstration they start on the job.

Two Religious Leaders To Conduct Vespers

Thursday night vespers, an official interdenominational activity on campus, is featuring services throughout January and February under the direction of two of our best known religious leaders.

Born in Monroe, N. C., Richardson entered what was then Trinity College in '16, and later took time off to fight with the 902nd Aerial Squadron in France. Returning to college, he received his degree and remained for two more years in Law School. Quite an all-round man on the campus, he was elected to Phi Beta Kappa and in 1918, held the editorship of the Archive, and played for the varsity basketball squad.

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OPA Threatens Foodless Unions

Warning that the OPA may halt food sales to Duke's Unions on both campuses unless more ration books are received from civilian students, J. E. Thompson, manager of the Unions, this week deplored the lack of response by students to this problem.

Six hundred ration books had been turned in by the girls, but all the books were given back to the owners so that they could be used during the Christmas vacation. Only a few have been returned since the end of the Christmas holidays.

"I'm washing my hands of the whole thing," Thompson told the Chronicle. "The civilians may not have any food next semester if they don't turn in their books."

Duke Grads Hold Top Government Offices In State

Duke graduates topped the headlines in North Carolina papers a fortnight ago when Dr. Gregg Cherry was inaugurated Governor and Oscar L. Richardson accepted the N. C. House of Representatives' speakership.

On January 2 as a good beginning to his fourth term in the legislature, Richardson succeeded John Kerr as speaker upon his victory in a race that was unique in the State's history—the only two-man contest that will not be decided in the committee, but was forced to the floor of the caucus for debate, and as soon as his opponent and friend, George Uzzell, saw the majority of votes going to Richardson, he withdrew and made the count unanimous.

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Sing To Continue Despite Exams

Sunday night Sing promises to offer an hour of musical entertainment for all men and coeds who dare use the time for pleasant relaxation instead of devoting it to their books, notes, and brief outlines of boring courses. Kenneth Smith will direct the singing with Norm Schnell accompanying throughout, adding several of his own renditions during the program.

Appearing for the first time, Duke Madrigal Singers, made up of twenty mixed voices and directed by Robert L. Hill of the Music Department, will blend in a number of numbers popular during the 14th and 15th centuries.

For a change of tempo, med student Jimmy Metzger has planned to swing out on his clarinet with several popular jive songs.

Chronicle photos by Bob DeBarnes.

Want ads are the vague these days, as a result of the government's plan for shutting 4-F's into war work. These boys were previously rejected by the draft, but in anticipation of a second call from Uncle Sam they are anxiously scanning the want ads to find an essential job.