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Medical

The ever-broadening field of research in isotope chemistry with relation to medicine is headed up for the medical schools of the south in this Division. Limited hospital facilities are available. For details on this program write the Chairman of the Medical Division.

Special Training

Special non-credit courses are given for senior research workers in the use of radioactive isotopes. Techniques and the use of various methods and instruments in this field are taught. The four-week courses are open to any research scientist. Application blanks may be obtained from the Chairman of the Special Training Division.

HOW TO APPLY FOR ADMISSION TO PROGRAMS OF THE UNIVERSITY RELATIONS DIVISION

Applications for Oak Ridge Graduate Fellowships are accepted only from a dean of a graduate school or other official in charge of graduate studies to the Chairman of the University Relations Division of the Oak Ridge Institute of Nuclear Studies. Applications of staff members for the Oak Ridge Research Participation Program are made to the Chairman by the Institute Councilor, or in his absence, the dean of the graduate school. General information concerning these fellowships is available in the office of the dean of the graduate school, or the office of the Institute Councilor. Application blanks and Personnel Security Questionnaire are available on application to Dr. Russell S. Poor, Chairman of the University Relations Division, Oak Ridge Institute of Nuclear Studies, Box 117, Oak Ridge, Tennessee. All applications should be made at least three and one-half months in advance of the time that a research program is to be started at Oak Ridge, since security clearance is necessary for appointees and this requires approximately three months.

Faculty personnel applying for admission to the Oak Ridge Research Participation Program are not screened by the Committee on Admission; however, they are frequently required to come at their own expense for an interview. Fellowship applicants also are frequently required to have an interview previous to the granting of the Fellowship. Details for graduate students will be furnished after the Committee on Admissions has passed on the application.

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1. Alabama Polytechnic Institute	Fred Allison
2. Catholic University of America	Karl F. Herzfeld
3. Duke University	W. M. Nielsen
4. Emory University	J. Harris Purks, Jr.*
5. Georgia Institute of Technology	R. L. Sweigert
6. Louisiana State University	Richard C. Keen
7. Mississippi State College	M. P. Etheredge
8. North Carolina State College	C. G. Brennecke
9. Rice Institute	T. W. Bonner
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11. University of Alabama	Marten ten Hoor
12. University of Arkansas	W. W. Grigorieff
13. University of Florida	Roland B. Eutsler
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16. University of Louisville	R. C. Ernst
17. University of Mississippi	Pete Kyle McCarter
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19. University of Oklahoma	Laurence H. Snyder
20. University of Tennessee	E. A. Waters
21. University of Texas	Theophilus S. Painter
22. University of Virginia	L. B. Snoddy
23. Vanderbilt University	Philip Davidson
24. Virginia Polytechnic Institute	C. C. French

* Resigned from Emory University effective Dec. 31, 1949. Successor to be named.

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OAK RIDGE INSTITUTE OF NUCLEAR STUDIES

Programs of the University Relations Division

Carried out under Contract No. AT-1-40-GEN-33 with the UNITED STATES ATOMIC ENERGY COMMISSION

The University Relations Division
Oak Ridge Institute of Nuclear Studies, Inc.
P. O. Box 117, Oak Ridge, Tennessee

1950

THE OAK RIDGE INSTITUTE OF NUCLEAR STUDIES

In December, 1945, a group of scientists from the Oak Ridge National Laboratory and from various southern universities conceived the idea of the Oak Ridge Institute of Nuclear Studies. It was chartered in October of 1946 and now has a membership of twenty-four sponsoring institutions throughout the south from Texas and Oklahoma to the District of Columbia. The Oak Ridge laboratories, operated by the Carbide and Carbon Chemicals Corporation for the Atomic Energy Commission, are available to any university in the United States through the Institute. Sponsoring institutions support the Institute and determine its policies. Nonsponsoring institutions are referred to as Participating Institutions. It operates as a coordinating agency between the research programs in the universities and the Atomic Energy Commission research facilities in Oak Ridge.

PROGRAMS OF THE UNIVERSITY RELATIONS DIVISION

1. Oak Ridge Graduate Training Program.

There are two types of Oak Ridge Graduate Fellowships available to students. One is at the master's level and one at the doctoral level. When a student has completed all resident work at his university, he may apply through the dean of his graduate school or other official in charge of graduate studies for an Oak Ridge Graduate Fellowship. The stipends carried by these fellowships range from $1500 to $2700, and are determined by the level of the Fellows' training and by the number of their dependents. Every attempt is made to arrange a program that can be acceptable to any student who is prepared for advanced training, and on a basis entirely satisfactory to his university. Application forms to be used by the dean of the graduate school are available on request from this Division.

2. Oak Ridge Research Participation Program.

Scientists from sponsoring and participating institutions may apply for appointments in the Oak Ridge Research Participation Program for research in fields where essential facilities are by law not available in their own institutions. Stipends will be in accord with the participant's current salary at his university. On the request of an Oak Ridge laboratory, an Oak Ridge Research Fellowship may be granted by the Institute in lieu of a laboratory salary. The university staff member interested in the Oak Ridge Research Participation Program should file an application through the Institute councilor or the graduate school dean. Necessary forms are available on request to this Division.

3. Traveling Lectures.

The institute schedules scientific lectures to be given by the research staffs of the Oak Ridge laboratories and of the Institute, without expense to the universities. A regular circuit of lecturers is in operation from Oak Ridge to the various universities and research centers in the south. You may avail yourself of these by writing the Chairman of the University Relations Division who will be glad to send you a list of subjects available this season.

4. Summer Symposia.

Each summer a symposium on some subject of interest to southern university personnel is presented in Oak Ridge. Outstanding scientists in the field from all over the nation are invited to give the talks. Specialists from the Oak Ridge laboratories always participate in this program. The symposia are scheduled so that the people attending can take advantage of the summer recreation facilities of East Tennessee.

5. Science Research Awards.

Three annual awards of $500 for each paper are available for the most significant science research papers published by members of the staff or students of sponsoring universities. A bronze plaque is awarded to each author. Four reprints or the reference to the published paper must be filed with this Division by the first of March of the year following in order to compete. Papers do not necesarily have to be in the field of nuclear physics nor directly related to any of the programs of the Oak Ridge laboratories, but the investigation must have been carried out at a sponsoring university.

6. Atomic Energy Commission Research Grant Service.

The Chairman and other members of the staff will be glad to advise with a faculty member from any university desiring to apply for a research grant from the Atomic Energy Commission. Assistance will be given the representatives of the university in preparing the proposal and its presentation to the proper authorities if the project under discussion seems to be well adapted for an Atomic Energy Commission grant.

7. Resident Graduate Program.

The University of Tennessee operates a resident graduate program in Oak Ridge for the personnel of the Oak Ridge area laboratories. Thus, it is possible for workers in Oak Ridge to continue training for advanced degrees while they work. This has been a valuable program in helping to upgrade the junior laboratory staff. The program is operated through a sub-contract with the University. All faculty and administration are supplied by the University of Tennessee, while space, materials, and library are supplied by the Institute.

8. Consultation Service.

The staff of the Institute is always ready to consult with the staffs of sponsoring and participating universities concerning their research problems. When a university encounters technical difficulties in the conduct of scientific research related to atomic energy in its laboratories, the Institute often is able to assist them. If we do not have someone qualified to render such service, we can usually find such aid on the Oak Ridge area. The problem may be presented to the Chairman of the University Relations Division at any time.

FIELDS OF RESEARCH AVAILABLE

Research problems are available in the Commission's Oak Ridge laboratories in bacteriology, botany, chemical, electrical, and mechanical engineering, chemistry, mathematics, metallurgy, physics, and zoology. Various openings for trained staff exist in the Fairchild Engine and Airplane Corporation (NEPA) project dealing with the use of nuclear energy for the propulsion of aircraft. The Atomic Energy Commission Agricultural Research Project, conducted by the University of Tennessee, affords numerous problems for experimentation in the animal and plant sciences as they are related to isotopic research, and these are available in limited number to university staff and graduate students.

OTHER DIVISIONS OF THE OAK RIDGE INSTITUTE OF NUCLEAR STUDIES

Museum

The American Museum of Atomic Energy is a unique service which attempts to give to the public factual information concerning atomic energy. To a limited extent extension service is available for the dissemination of such factual information to the people of the states.

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