Miscellany

Visiting Scientists Program

The Visiting Scientists Program in Physics, sponsored jointly by the American Association of Physics Teachers and the American Institute of Physics under a grant from the National Science Foundation, will be continued during the next academic year. Over 100 colleges and universities, in addition to a test group of high schools, were visited during 1957–58. Nearly 100 individual physicists participated by visiting colleges and schools in order to stimulate student interest in physics and to discuss teaching and research problems. Visits to colleges lasted approximately three days; visits to high schools, one day. NSF grants for 1958–59 will make it possible to extend the program of visits to many institutions which could not be accommodated this year. The chairmen of physics departments in colleges and universities interested in being visited under this program are requested to write to Dr. W. C. Kelly at the American Institute of Physics, 335 East 45 Street, New York 17, N. Y., for information. Details about high-school visits in 1958–59 will be announced at a later date.

Educational Programs

The National Science Foundation has announced the establishment of several 1958 summer institutes for high-school science and mathematics teachers in addition to those listed earlier (see *Physics Today,* February 1958, p. 39). The Foundation grant to each institute provides for operational costs, tuition and fees, and travel and dependents allowances for about 50 teachers. In most cases the institutes will also pay stipends directly to the participating teachers at a maximum rate of $75 per week. Inquiries and applications for participation in the summer institutes offered by the following schools should be addressed to the directors of the individual programs:

University of California, Los Angeles 24, Calif. (Frances E. Blacet, Division of Physical Sciences)

Clarkson College of Technology, Potsdam, N. Y. (F. Gordon Lindsey, Director, Summer Program)

Michigan State University, East Lansing, Mich. (Frederic B. Dutton, Science & Mathematics Teaching Center)

Northeast Missouri State Teachers College, Kirksville, Mo. (S. Winston Cram, Division of Science & Mathematics)

Oregon State College, Corvallis, Ore. (Wendell H. Slabaugh, Dept. of Chemistry)

Randolph-Macon Woman's College, Lynchburg, Va. (Paul A. Walker, Dept. of Biology)

South Dakota State College, Brookings, S. D. (Kenneth E. Howard, Dept. of Chemistry)

Stevens Institute of Technology, Hoboken, N. J. (Robert H. Seavy, Dept. of Chemistry)

University of Texas, Austin, Tex. (Robbin C. Anderson, Dept. of Chemistry)

Texas Southern University, Houston 4, Tex. (Alberta J. Seaton, Dept. of Biology)

Utah State University, Logan, Utah (Harris O. Van Orden, Dept. of Chemistry)

Fisk University is sponsoring its Ninth Annual Infrared Spectroscopy Institute during the week of August 25–29. The institute serves to introduce scientists to infrared spectroscopy and its use in industrial and academic research and in teaching. Morning sessions will be devoted to introductory lectures, afternoons to laboratory work, and evenings to lectures on topics of a specialized nature. Participants will also have an opportunity to discuss problems of their own particular interest with members of the faculty. Further information as well as application forms may be obtained from Nelson Fuson, Infrared Spectroscopy Institute, Fisk University, Nashville, Tenn.

Arizona State College is again offering a summer course in Modern Industrial Spectroscopy, which is to be held August 18–29 at the college. Information regarding the program may be obtained from the director, Dr. Alan T. Wager, Arizona State College, Tempe, Ariz.

The Physics Department of the American University of Beirut, Lebanon, in cooperation with the US Atomic Energy Commission, the International Cooperation Administration, and Unesco, recently conducted a training program in the techniques of radioisotopes and their physical principles and use as research tools in the various fields of science. The program was under the direction of Salwa C. Nassar of the University's Physics Department. The 24 participants, which included eleven medical doctors, came from seven countries ranging from Afghanistan to Tunisia. The lecturers came from England, Lebanon, and Oak Ridge, Tenn. The success of the course is prompting plans for another such regional program.

For the second successive year, the International Telephone and Telegraph Corp. has granted $100 000 to institutions of higher learning for scholarships, fellowships, and special grants for educational purposes during the 1958–59 school year. The awards will be made to 26 colleges, universities, and institutions offering degrees in physics, electrical engineering, and mathematics. Scholarships are valued at $1500 each and fellowships have been established in the amount of $3500 each. In all cases, the individual institution will select the recipient and administer the award.

Lowell Technological Institute has announced that it has available for the 1958 fall semester 115 scholarships and four fellowships for study in physics, electronics, chemistry, and textile, plastics, paper, and leather engineering. Further information can be obtained by writing to the Director of Admissions, Lowell Technological Institute, Lowell, Mass.

The Italian Physical Society will again conduct its International School of Physics summer courses at the Villa Monastero in Varenna. The following four courses will be presented this year:

Physics of plasma and astrophysical applications (June 23–July 5). This course is under the direction of Guglielmo Righini, director of the Astrophysical Observatory of Arcetri (Florence), and will have as official lecturers L. Biermann (Max-Planck-Institut für Physik), T. C. Cowling (Leeds University), R. Gallet (National Bureau of Standards), A. Gilardini (Laboratori Sindel, Rome), B. Lehnert (Tekniska Hogskolan, Stockholm), H. C. van de Hulst (University of Leiden), and P. C. Thonemann (Atomic Energy Research Establishment, Harwell).

Information theory (July 7–19) is to be held under the direction of Eduardo R. Caianiello of the University of Naples (Instituto di Fisica Teorica, Via A. Tari 3, Naples). Topics discussed will range from theory of random processes to digital transducers and from neurophysiology to speech communication and linguistics. The official lecturers will be R. M. Fano (Massachusetts Institute of Technology), D. Gabor (Imperial College of Science and Technology, London), Y. M. Lee (MIT), B. Mandelbrot (Université de Lille), W. A. Rosenblith (MIT), and N. Wiener (MIT).

Mathematical problems of the quantum theory of particles and fields (July 21–August 9) will be under the leadership of A. Borsellino of the University of Genoa (Instituto di Fisica Teorica, Via Benedetto XV, 5, Genoa) and will have the following lecturers: E. R. Caianiello (University of Naples), F. J. Dyson (Institute for Advanced Study), L. J. Gårding (Universitet Lund, Sweden), R. Haag (Princeton University), W. Heisenberg (Max-Planck-Institut für Physik), G. Källén (Copenhagen University), T. Kato (Tokyo University), H. Lehmann (University of Hamburg), W. Pauli (Eidgenössische Technische Hochschule, Zurich), and A. S. Wightman (Princeton).

The physics of pions (August 18–30). Bruno Touschek of the University of Rome (Instituto di Fisica dell' Università, Piazzale delle Scienze 5, Rome) will be the director. Participating lecturers will be J. Ashkin (Carnegie Institute of Technology), G. Bernardini (CERN, Geneva), J. M. Cassels (University of Liverpool), M. Cini (University of Rome), G. Puppi (University of Bologna), and W. E. Thirring (University of Bern).

All inquiries and applications should be made as soon as possible to the director of the individual course and applications must contain the following information: full name; date and place of birth; present address; degrees and other qualifications, with name of university in each case; present professional activity; list of publications in physics; standard of knowledge of written and spoken English and French; whether intending to stay in Varenna unaccompanied or with members of family (and if alone, whether willing to share room). Also included should be a note of reference from a university professor of physics (in the case of the second

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course, expert in information theory), testifying to the applicant's interest and preparation for the activities of the School.

Elected

The National Academy of Sciences has re-elected Detlev W. Bronk, president of the Rockefeller Institute of Medical Research, to a third four-year term as president of the Academy. Howard P. Robertson, professor of mathematical physics at the California Institute of Technology, was named foreign secretary. The following are among the thirty newly elected members of the Academy: Martin Deutsch (Massachusetts Institute of Technology), Leo Goldberg (University of Michigan), Maurice Goldhaber (Brookhaven National Laboratory), Robert Hofstadter (Stanford University), Robert E. Marshak (University of Rochester), Robert R. McMath (Michigan), Frank Press (California Institute of Technology), Llewellyn H. Thomas (Columbia University), Chien-Shung Wu (Columbia), and Bruno H. Zimm (General Electric Co.). Max von Laue, director of the Fritz-Haber-Institut of the Max Planck Society of Berlin, was among the newly elected foreign associates of the Academy.

Publications

The Special Libraries Association Translation Center, located at the John Crerar Library in Chicago, has announced that it can now furnish, on a subscription basis, printed catalog cards for current scientific and technical material which has been translated into English from all languages, including Russian. This latest effort of the Center will make available in card form the thousands of citations given in the Center's bibliographical journal, *Translation Monthly*. Four types of subscriptions to translation catalog cards are available: (1) full coverage of *Translation Monthly* (approximately 12 000 titles yearly), (2) coverage of all translations currently received by the Center (approximately 6750 titles yearly), (3) coverage of all Russian translations received by the Center (approximately 3100 titles yearly), or (4) coverage of all titles in specific subject fields. In January 1957, at the request of the National Science Foundation, the SLA Translation Center took over the Russian translations housed in the Scientific Translations Center at the Library of Congress, and since then Russian material has been received regularly at the Center. Further information about the SLA Translation Center and its services may be obtained from The SLA Translation Center, The John Crerar Library, 86 East Randolph Street, Chicago 1, Ill.

An International Lighting Vocabulary of the International Commission on Illumination, Volume 1 (2nd Edition), is now ready for distribution through the organization's US National Committee. The publication is the result of 20 years' work and contains 530 terms with definitions, as well as numerous symbols and formulas. The publication is in English, French, and German, and its principal sections cover radiation, photometry, colorimetry, eye and vision, production of light, lamps, auxiliary apparatus, lighting techniques, lighting fittings, and light signals. Volume 2 will be published in 1959 and will contain the same terms, without definitions, in ten languages. A limited number of copies of Volume 1 are available at a prepublication price of $2.50. Orders, with remittances payable to "US National Committee, CIE", should be sent to Mr. T. D. Wakefield, Treasurer, USNC, Vermilion, Ohio.

Three new journals in the Atomic Energy Commission's Technical Progress Review Series have made their appearance in recent months. *Power Reactor Technology*, prepared for the AEC by Walter H. Zinn and associates, of the General Nuclear Engineering Corp., Dunedin, Fla., is intended to report on progress in general research and development and to summarize information on specific types of power reactors. *Reactor Fuel Processing*, prepared by Stephen Lawroski and associates at Argonne National Laboratory, is to summarize and evaluate current fuel processing developments resulting from AEC-sponsored programs and, where possible, from industrial programs. *Reactor Core Materials*, prepared for the Commission by R. W. Dayton, E. M. Simons, and associates, of Battelle Memorial Institute, is designed to provide a condensed source of information on the characteristics and fabrication of core materials which are solid at reactor operating temperatures. All three journals will be issued quarterly and are available by subscription (domestic, $2 per year; foreign, $2.50 per year) or by single issue (55¢) from the Superintendent of Documents, US Government Printing Office, Washington 25, D. C.

The National Academy of Sciences has announced that the *IGY Bulletin*, official monthly publication of the US National Committee for the International Geophysical Year, is now available by subscription. The monthly *Bulletin* includes brief articles and reports on projects and experiments in a dozen different scientific fields covered by the US-IGY program as well as available news of IGY activities in other countries. Subscription to the *Bulletin* is $4.00. This will include all back issues, dating from July 1957, together with all future issues. It is intended that the *Bulletin* will be published at least through December 1958 and possibly through June 1959. Subscription orders should be sent to the Publications Office, National Academy of Sciences, 2101 Constitution Avenue, Washington 25, D. C.

The latest semiannual price list of Atomic Energy Commission research reports is now available from the Office of Technical Services on request. The new list, AEC Research Reports Price List No. 29, may be obtained without cost by writing to OTS, US Department of Commerce, Washington 25, D. C.

The University of California at Los Angeles is taking orders for the rental of a 16-mm film series of lectures on space technology presented by UCLA in