

Meetings

Nuclear Fuels

The U.S. Atomic Energy Commission, in cooperation with AEC contractors, will sponsor a 2-day symposium for management and technical personnel on the reprocessing of nuclear fuels, in Richland, Washington, 20-21 October. The symposium is designed to renew the technology currently available for reprocessing spent fuels from research, test, and power reactors. The Atomic

Energy Commission plans to reprocess in existing AEC facilities spent fuels from civilian reactors until such service is available from private industry.

The symposium will be open to private reactor operators, fuel fabricators, AEC and AEC-contractor personnel, foreign visitors, and certain other management and technical personnel. Management and technical personnel wishing to attend the meeting may obtain details from the program coordinator, Mr. J. T. Christy, Hanford Operations Office, U.S. Atomic Energy Commission, Richland, Wash.

International Conservation

The seventh general assembly and technical sessions of the International Union for Conservation of Nature and Natural Resources will be held in Warsaw, Poland, 14-24 June 1960, with field trips both during and after the assembly. The Polish Government promises excellent arrangements. The program will include an introductory session on "The Impact of Man and Modern Technology on Nature and Natural Resources." Pesticide problems will be considered in sessions under the title "Ecological Effects of the Biological and Chemical Control of Undesirable Plants and Animals," and there will also be papers on "Management of Wild Grazing Animals in Temperate Zones and Its Relation to Land Use."

Those wishing to receive detailed announcements of the Warsaw meeting may write to the Secretary-General, IUCN, 31 rue Vautier, Brussels, Belgium. Correspondence may also be directed to either of the two U.S. members of the executive board of the union—Harold J. Coolidge, National Research Council, Washington, D.C., and Edward H. Graham, Soil Conservation Service, Washington, D.C.

Animal Care Panel

The 10th annual meeting of the Animal Care Panel will be held at the Sheraton Park Hotel, Washington, D.C., 29-31 October. Some 500 research workers interested in the care of laboratory animals are expected to attend. Programs and information may be obtained from Mr. Burton Hill, Animal Care Panel, NAS-NRC, 2101 Constitution Ave, NW, Washington 25, D.C., who is in charge of advanced registration. The price of the hotel rooms will be \$9 single and \$15 double.

Many movies about laboratory animal care have been filmed in the last few years. A number of these movies have been selected by the Program Committee and they will be shown continuously each day in the area adjoining the exhibit hall. The formal program will consist of six sessions of four papers each. There will be about 70 commercial exhibits and a large number of scientific exhibits.

Logic, Methodology, and Philosophy

An International Congress for Logic, Methodology and Philosophy of Science will be held at Stanford University from 24 August to 2 September 1960 under the auspices of the International Union for History and Philosophy of Science.

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WRITE TO
DEPARTMENT A
FOR LITERATURE

The congress will be organized into the following sections: mathematical logic; foundations of mathematical theories; philosophy of logic and mathematics; general problems of methodology and philosophy of science; foundations of probability and induction; methodology and philosophy of physical sciences; methodology and philosophy of biological and psychological sciences; methodology and philosophy of social sciences; methodology and philosophy of linguistics; methodology and philosophy of historical sciences; and history of logic, methodology, and philosophy of science.

The proceedings will consist of a number of invited addresses, in addition to brief contributed papers. The closing date for submission of abstracts of contributed papers is 1 March 1960. Information may be obtained by writing to Prof. Patrick Suppes, Serra House, Stanford University, Stanford, Calif.

Forthcoming Events

October

1-4. American Soc. of Industrial Designers, Asheville, N.C. (Mrs. R. R. Larisch, ASID, 15 E. 48 St., New York 17.)

4-7. American Inst. of Mining, Metallurgical and Petroleum Engineers, fall, Dallas, Tex. (E. O. Kirkendall, AIMMPE, 29 W. 39 St., New York 18.)

4-9. Society of Motion Picture and Television Engineers, semi-annual conv., New York, N.Y. (C. S. Stodter, SMPTE, 55 W. 42 St., New York, 36.)

5-7. Aeronautical Communications, 5th symp., Utica, N.Y. (L. G. Cumming, Inst. of Radio Engineers, 1 E. 79 St., New York 21.)

5-7. Chemical Engineers, annual, Essen, Germany. (Dr. Miessner, VDI-Fachgruppe, Verfahrenstechnik, Rheingauallee 25, Frankfurt-am-Main.)

5-7. National Assoc. of Corrosion Engineers, Northeast regional, Baltimore, Md. (T. J. Hull, NACE, 1061 M & M Bldg., Houston, Tex.)

5-8. American Acad. of Pediatrics, Chicago, Ill. (E. H. Christopherson, 1801 Hinman Ave., Evanston, Ill.)

5-9. American Soc. of Anesthesiologists, Bal Harbour, Fla. (J. W. Andes, 188 W. Randolph St., Room 1101, Chicago, Ill.)

5-9. Audio Engineering Soc., 11th annual, New York, N.Y. (AES, P.O. Box 12, Old Chelsea Station, New York 11.)

5-10. Society of Automotive Engineers, aeronautical meeting and aircraft manufacturing forum, Los Angeles, Calif. (R. W. Crory, Meetings Operation Dept., SAE, 485 Lexington Ave., New York 17.)

5-16. Institute of the Aeronautical Sciences, biennial Anglo-American conf., New York, N.Y. (R. R. Dexter, IAS, 2 E. 64 St., New York 21.)

6. American Assoc. of Poison Control Centers, 2nd annual, Chicago, Ill. (A. S. Blank, AAPCC, Connecticut State Dept. of Health, Hartford 15.)

6-8. Aeronautical/Astronautical Problems of High Speed Flight, Stanford,

Calif. (E. Haynes, Deputy Director, Aero Sciences Directorate, Air Force Office of Scientific Research, Washington 25.)

6-9. High Temperature Technology, intern. symp., Asilomar, Calif. (Public Relations Office, Stanford Research Inst., Menlo Park, Calif.)

7-8. Advanced Propulsion, 2nd symp. (classified), Boston, Mass. (Lt. Col. P. Atkinson, Propulsion Div., Air Force Office of Scientific Research, Washington 25.)

7-9. Vacuum Technology, symp., Philadelphia, Pa. (American Vacuum Soc., Box 1282, Boston, Mass.)

7-11. International Conv. on Nutrition and Vital Substances, 5th, Konstanz-Zurich, Switzerland. (Secretary General, Benmeroderstrasse 61, Hannover-Kirchrode, Germany.)

8-10. American Assoc. of Textile Chemists and Colorists, natl. conv., Washington, D.C. (G. P. Paine, AATCC, P.O. Box 28, Lowell, Mass.)

8-10. American Ceramic Soc., Bedford, Pa. (F. P. Reid, ACS, 4055 N. High St., Columbus 14, Ohio.)

8-10. American Soc. of Tool Engineers, semi-annual, St. Louis, Mo. (H. E. Conrad, ASTE, 10700 Puritan Ave., Detroit 38, Mich.)

8-10. Biology of Pyelonephritis, intern. symp., Detroit, Mich. (E. L. Quinn, Henry Ford Hospital, W. Grand Blvd. at Hamilton, Detroit 2.)

8-10. Optical Soc. of America, annual, Ottawa, Canada. (S. S. Ballard, Dept. of Physics, Univ. of Florida, Gainesville.)

9-13. American Soc. of Civil Engineers, Los Angeles, Calif. (E. S. Kirkpatrick, ASCE, 33 W. 39 St., New York 18.)

11-16. American Acad. of Ophthalmology and Otolaryngology, Chicago, Ill. (W. L. Benedict, 15 Second St., SW, Rochester, Minn.)

11-16. American Inst. of Electrical Engineers, fall general, Chicago, Ill. (N. S. Hibshman, AIEE, 33 W. 39 St., New York 18.)

11-16. American Soc. for Testing Materials, Pacific area natl., San Francisco, Calif. (R. J. Painter, ASTM, 1916 Race St., Philadelphia 3, Pa.)

12-14. Clay Conf., 8th natl., Norman, Okla. (C. G. Dodd, Eighth Natl. Clay Conf., University of Oklahoma, Norman.)

12-14. Electronics Conf., 15th annual natl., Chicago, Ill. (NEC, 228 N. La Salle St., Chicago 1, Ill.)

12-16. Macromolecules, intern. symp. (IUPAP), Wiesbaden, Germany. (W. Mauss, Intern. Symp. on Macromolecules, c/o Kalle & Co., Rheingaustrasse 25, Wiesbaden-Biebrich, Germany.)

12-19. Venereal Diseases, intern. cong. (by invitation), London, England. (G. E. W. Wolstenholme, Ciba Foundation, 41 Portland Pl., London, W.1, England.)

13-17. International Union against the Venereal Diseases and the Treponematoses, London, England. (Institut Alfred Fournier, 25, Boulevard Saint-Jacques, Paris 14^e, France.)

14-16. Parenteral Drug Assoc., annual conv., New York, N.Y. (H. E. Boyden, Parenteral Drug Assoc., 130 E. 59 St., New York 22.)

(See issue of 21 August for comprehensive list)

New Products

The information reported here is obtained from manufacturers and from other sources considered to be reliable, and it reflects the claims of the manufacturer or other source. Neither Science nor the writer assumes responsibility for the accuracy of the information. A coupon for use in making inquiries concerning the items listed appears on page 582.

■ **TEMPERATURE CONTROLLER** for high-power applications controls 140 kva if water-cooled ignitrons are used or 50 kva if air-cooled types are used. The regulator includes an electronic controller and an ignitron firing circuit. By varying the firing angle of the ignitrons, the controller proportionally regulates the load power. (Research Inc., Dept. 18)

■ **VOLTAGE-TO-FREQUENCY CONVERTER** accepts d-c input voltage from 0 to 1000 v in four ranges and provides corresponding frequency output from 0 to 10,000 cy/sec. Input impedance is 1 megohm shunted by 200 pf. Accuracy of ± 0.1 percent of full scale is claimed. Signals of either polarity may be measured. A mercury cell within the instrument permits calibration. (Dymec Inc., Dept. 21)

■ **WELDER** can be used to put taps onto single turns of potentiometer windings made of 0.0005-to-0.008-in. wire. A thin ribbon material is used to obtain connections with low terminal resistance. A built-in ohmmeter and an electronic metering circuit produce an audible signal to indicate the correct turn to which the weld is to be made. (Ewald Instruments, Dept. 23)

■ **SIGNAL GENERATOR** covers the frequency range 125 kcy to 175 Mcy/sec in calibrated bands, both modulated and unmodulated. Crystal-controlled frequencies are provided on harmonics up to 250 Mcy/sec. Output is metered from 0.1 to 10^6 μ v without external attenuation. (Hickok Electrical Instrument Co., Dept. 24)

■ **BALL REBOUND TESTER** tests resilience of foamed plastic by dropping a steel ball $\frac{5}{8}$ in. in diameter onto the sample and measuring the rebound. The steel ball is released in a clear plastic vertical tube by an electromagnet. Circles scribed on the tube aid in estimating rebound height. (Custom Scientific Instruments, Dept. 25)

■ **AMINO-ACID ANALYZER** performs analysis of over 20 amino acids in less than 24 hr. Results are said to be consistent within ± 2 to 3 percent. The instrument separates the amino acids, carries out the Ninhydrin reaction on the effluent, and records the optical density photometrically. Temperature is controlled within $\pm 0.2^\circ\text{C}$. Output can be read to