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with progress in the physical sciences. We have atomic energy in a world not yet ready for peace. We are preparing to colonize other planets before we have solved the ethical and moral problems of this one. Perhaps scientists can perform a service in all areas of human activity by explaining to the layman the philosophy and methods of science—namely, an objective approach to all problems and a willingness to evaluate and accept the results without bias.

Science is incompatible with authoritarian claims to "perfection" by religionists, or political systems, or other groups. However, science is not a threat to an objective, liberal religion. Science and religion must work together toward the goal of humanism—a deep concern for the welfare of mankind here and now.

CLAUDE H. HILLS  
*Flourtown, Pennsylvania*

Warren Weaver's valuable article "Science and the citizen" [*Science* 126, 1225 (1957)] was unfortunately marred, it seems to me, by the desire to show some deference to religion. The belief of the "average citizen" that "science has destroyed the element of faith in religion" is surely closer to the mark than the assertion that "science is itself founded on faith." In this context, the term *faith* merely begs the question. What is this "faith" on which science is founded? I would suggest that it takes two forms: in experimental science, the appeal to experiment and observation as the court of last resort; in mathematics and logic, the appeal to reason as the court of last resort. Certain esthetic considerations, which are difficult to characterize briefly, also exert their influence.

Neither form of "faith" attaches the slightest importance, except as a matter of convenience, to the weight of tradition and authority. As a consequence, neither is compatible with any form of revealed religion.

ERWIN KLINGSBERG  
*Mountainside, New Jersey*

I am most gratified that Claude H. Hills, Erwin Klingsberg, and several other correspondents have been interested in the highly condensed (and thus necessarily unsatisfactory) references which I made to religion in the paper "Science and the citizen." In response to these comments I have been writing out a fuller statement of my views on the points involved. Unfortunately I cannot meet the requirement of the editor of *Science* that the answer to a question contain no more words than the question does. My reply will be published before long in another journal, and perhaps, when this occurs, the editor will insert a brief notice and reference.

WARREN WEAVER  
*New York, New York*

## Meetings

### American Astronautical Society

The American Astronautical Society, founded in 1953 and incorporated in New York State in 1954, is a scientific organization dedicated to advancement of the astronautical sciences. The society considers manned interplanetary space flight a logical progression from today's high-performance research plane, guided missile, and earth satellite operations. The scope of the society is indicated by a partial list of the astronautic fields of interest: astronavigation, biochemistry, celestial mechanics, cosmology, geophysics, and space medicine, as well as space vehicle design, including communications, control, guidance, and propulsion.

Promotion of astronautics is accomplished by the society largely through its program of technical meetings and publications. The fourth annual meeting, held in New York City 29 to 31 January, was attended by over 600 members and guests. Forty-five original papers were presented, in technical sessions on "Space vehicle design," "Space exploration," "Guidance and control," "Man's environment in space," "Space vehicle communications," and "Astronautics research." At the Honors Night dinner, presentations were made to recipients of the AAS Space Flight award, the Melbourne W. Boynton award for space medicine, and the Annual Fellow awards. Plans are currently being formulated to hold the fifth annual meeting in Washington, D.C., at the end of December, in conjunction with the annual meeting of the AAAS. In addition, a West Coast regional AAS meeting will be presented in San Francisco in August.

Regional sections of the American Astronautical Society have been formed in New York, San Francisco, and Washington, D.C. Technical meetings, dinners, and field trips are among the activities arranged by these sections. Considerable interest has been expressed by AAS members and others in the formation of new regional sections in Los Angeles, Baltimore, Dallas, Philadelphia, Dayton, Boston, and Chicago. It is expected that most of these groups will be chartered as AAS regional sections during 1958.

Publications of the society include the *Journal of the Astronautical Sciences*, *Proceedings of the AAS* annual meetings, and reprints of technical papers. At the present time the *Journal* is published quarterly and incorporates the "Astronautical Sciences Review." Ultimately, it is planned to publish the "Astronautical Sciences Review" separately as a companion magazine which would contain articles of general interest, AAS news, abstracts, book reviews, and so on.

Membership in the society is com-

posed primarily of scientists and engineers, although all persons having a sincere interest in astronautics, including students, are eligible for special grades of membership. Each year the board of directors and the fellows of the society elect as fellows those who have made direct and significant contributions to the astronautical sciences. At the present time, the roster of AAS members includes about 600 persons. Additional support of the society is sought from American industry. There are presently seven AAS corporate members: Varo Manufacturing Company; Avion Division—ACF Industries, Inc.; Douglas Aircraft Company; Republic Aviation Corporation; Space Corporation; Kearfott Company, Inc.; and the Martin Company.

The society cooperates fully with other national and international scientific organizations; it is a member of the International Astronautical Federation and an affiliate of the American Association for the Advancement of Science. Paul A. Campbell of the U.S. Air Force Office of Scientific Research has been appointed the 1958 representative on the AAAS council.

ROSS FLEISIG

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### Chemical Organization of Cells

A Conference on the Chemical Organization of Cells, Normal and Abnormal, will be held in Madison, Wis., 21, 22, and 23 August. Participants will be specialists in anatomy, biochemistry, embryology, and pathology who will provide correlated recent information about the cell in a series of formal presentations. Inquiries should be addressed to: Dr. Joseph J. Lalich, Professor of Pathology, University of Wisconsin, Madison 6, Wis.

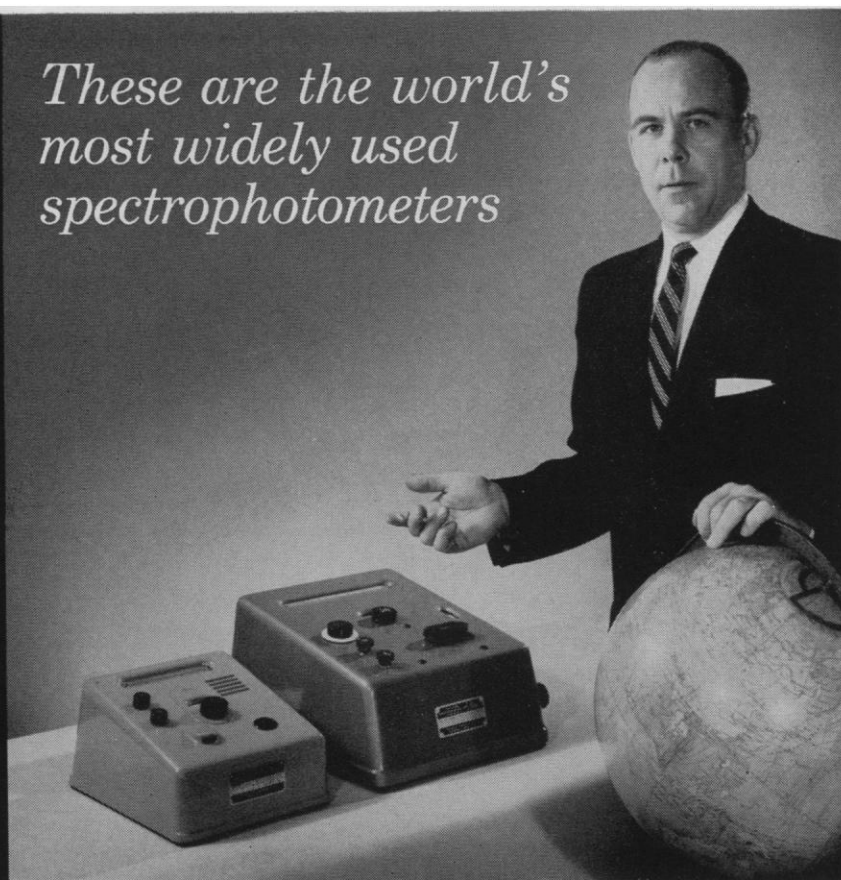
A limited number of travel stipends may become available later this spring. Information will be advertised in appropriate journals and circularized to those who have already registered with Dr. Lalich for the conference.

### Physiological Sciences

The 21st International Congress of Physiological Sciences (physiology and pharmacology) will be held in Buenos Aires, Argentina, 9–15 August 1959. Bernardo A. Houssay will be the president. The Organizing Committee consists of E. Braun Menéndez, chairman; A. O. M. Stoppani, secretary; E. Strajman, treasurer; and M. H. Burgos, H. Chiodi, T. Combes, E. D. P. De Robertis, J. C. Fasciolo, V. G. Foglia, E. Hug, A. Lanari, L. F. Leloir, J. T. Lewis, R. E. Mancini, E. Moisset de Espanes, E. L. Rabasa, L. M. Rinaldini,

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R. R. Rodriguez, J. R. Suarez, S. Taleisnik, C. A. Taquini, and M. E. Varela.

This congress is the first of its kind to be held in the Southern Hemisphere and, to make it possible, many international institutions are lending their financial support. Contributions have been received from private organizations such as Burroughs Wellcome & Co. Inc., Ciba Company, Eli Lilly and Company, Hoffmann-La Roche Inc., Merck & Co., Merrell National (Overseas) Laboratories, Miles Laboratories, Inc., Olin Mathieson International Corporation, and the Upjohn Company.

## Sensory Deprivation

A Symposium on Sensory Deprivation will take place in Boston, Mass., 20-21 June, under the joint auspices of the Psychiatric Research Laboratory, Boston City Hospital, Harvard University Medical School, and the Office of Naval Research (Physiological Psychology Section). The symposium will be a closed working meeting of invited speakers and discussants. Proceedings will be published. The planning committee consists of Philip Kubzansky, P. Herbert Leiderman, Jack H. Mendelson, Donald Wexler, and Philip Solomon (chairman).

## Society Elections

■ **Econometric Society:** pres., James Tobin, Department of Economics, Yale University; v. pres., M. Marcel Boiteux, Paris, France; sec., Richard Ruggles, Department of Economics, Yale University, New Haven, Conn.; treas., Nancy Ruggles, New Haven, Conn. The representative to the AAAS Council is Charles F. Roos, New York, N.Y.

■ **Western Society of Naturalists:** pres., and representatives to the AAAS Council, Tracy I. Storer, University of California at Davis; past-pres., and representative to the AAAS Council, William M. Hiesey, Carnegie Institution of Washington, Stanford, Calif.; v. pres., Herbert L. Mason, Department of Botany, University of California, Berkeley; treas., Robert L. Fernald, Department of Zoology, University of Washington; sec., John P. Harville, Department of Biology, San Jose State College, San Jose 14, Calif.

■ **Ecological Society of America:** pres., Stanley A. Cain, School of Natural Resources, University of Michigan; v. pres., Thomas Park, Hull Zoological Laboratory, University of Chicago; sec., John E. Cantlon, Department of Botany and Plant Pathology, Michigan State University, East Lansing, Mich.; treas., Jack S. Dendy, Department of Zoology and Entomology, Alabama Polytechnic Institute. The representatives to the AAAS Council are Henry J. Oosting and W. Frank Blair.

■ **Florida Academy of Sciences:** pres., Dan A. Thomas, Physics Department, Rollins College; pres.-elect, and representative to the AAAS Council, E. Ruffin Jones, Department of Biology, University of Florida; sec., Guenter Schwarz, Department of Physics, Florida State University, Tallahassee, Fla.; treas., Alex G. Smith, Department of Physics, University of Florida.

## Forthcoming Events

### May

25-29. Air Pollution Control Assoc., 51st annual, Philadelphia, Pa. (H. M. Pier, APCA, 4400 Fifth Ave., Pittsburgh.

25-29. Institute of Food Technologists, annual, Chicago, Ill. (C. S. Lawrence, IFT, 176 W. Adams St., Chicago 3.)

25-31. International Soc. of Gastroenterology, 3rd world cong., Washington, D.C. (H. M. Pollard, University Hospital, Ann Arbor, Mich.)

26-28. American Soc. for Quality Control, annual, Boston, Mass. (W. P. Youngclaus, Jr., ASQC, 161 W. Wisconsin Ave., Milwaukee 3, Wis.)

26-29. Comparative Endocrinology Symp., Cold Spring Harbor, N.Y. (Symposium of Comparative Endocrinology, Dept. of Zoology, Columbia Univ., New York 27.)

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27-31. Thermal and Hydraulic Power Stations, Liège, Belgium. (A. Biron, 1, rue de Spa, Liège.)

28-8. European Federation of Chemical Engineering, 2nd cong., Brussels, Belgium and Frankfurt/Main, Germany. (Deutsche Gesellschaft für Chemisches Apparatewesen, Rheingau-Allee 25, Frankfurt/Main.)

29-31. American Acad. of Dental Medicine, 12th annual, Montreal, Canada. (G. Witkin, AADM, 45 S. Broadway, Yonkers 2, N.Y.)

31-8. European Federation of Corrosion, 2nd cong., Frankfurt/Main, Germany. (Gesellschaft Deutscher Chemiker, Haus der Chemie, Karlstrasse 21, Frankfurt/Main.)

## June

2-4. Telemetering Conf., 6th natl., Baltimore, Md. (G. M. Thynell, Applied Physics Lab., Johns Hopkins Univ., Silver Spring, Md.)

2-5. American Nuclear Soc., 4th annual, Los Angeles, Calif. (ANS, P.O. Box 963, Oak Ridge, Tenn.)

2-6. Mass Spectrometry, 6th meeting, New Orleans, La. (R. A. Friedel, U.S. Bureau of Mines, 4800 Forbes St., Pittsburgh 13, Pa.)

2-6. Medical Library Assoc., 57th annual, Rochester, Minn. (T. E. Keys, Librarian, Mayo Clinic, Rochester.)

2-6. Peaceful Uses of Atomic Energy

in Australia, symp., Sydney, N.S.W. (Australian Atomic Energy Commission Research Establishment, Private Mail Bag, Sutherland, New South Wales.)

2-7. Mechanical Engineering, 7th internatl. cong., Scheveningen, Netherlands. (International Mechanical Engineering Cong., 10, avenue Hoche, Paris 8<sup>e</sup>.)

3-5. Special Libraries Assoc., annual, Chicago, Ill. (M. E. Lucius, SLA, 31 E. 10 St., New York 3.)

4-14. Large Electric Systems, 17th intern. conf., Paris, France. (112, Boulevard Haussmann, Paris.)

5. Institute of Microbiology, 4th annual, New Brunswick, N.J. (E. R. Isaacs, Inst. of Microbiology, Rutgers Univ., New Brunswick.)

9-11. American Assoc. of Spectrographers, 9th annual symp., Chicago, Ill. (H. J. Hettel, Armour Research Foundation, 10 W. 35 St., Chicago 16.)

9-11. Canadian Federation of Biological Societies, 1st annual; with Canadian Assoc. of Anatomists, Canadian Biochemical Soc., Canadian Physiological Soc., and Pharmacological Soc. of Canada; Kingston, Ontario. (E. H. Bensley, Montreal General Hospital, 1650 Cedar Ave., Montreal 25, P.Q.)

9-11. Health Physics Soc., 3rd annual, Berkeley, Calif. (E. E. Anderson, Oak Ridge National Lab., Oak Ridge, Tenn.)

9-11. Soc. of General Physiologists, Woods Hole, Mass. (F. G. Sherman, Dept. of Biology, Brown Univ., Providence 12, R.I.)

9-11. Society for the Study of Development and Growth, 17th annual symp., South Hadley, Mass. (Miss K. Stein, Dept. of Zoology, Mount Holyoke College, South Hadley.)

9-12. Microscopy Symposium, 5th, Chicago, Ill. (W. C. McCrone, Jr., 500 E. 33 St., Chicago 16.)

9-13. Automation Exposition and Cong., 4th Internatl., New York. (International Automation Exposition, c/o Richard Rimbach Assoc., 845 Ridge Ave., Pittsburgh 12, Pa.)

10-12. Astronomical Soc. of the Pacific, annual, Los Angeles, Calif. (S. Einarsson, Leuschner Observatory, Univ. of California, Berkeley 4.)

10-13. Vacuum Techniques, 1st internatl. congress, Namur, Belgium. (E. Thomas, c/o CSN/ERM, 30, avenue de la Renaissance, Brussels 4, Belgium.)

11-14. Applied Mechanics, 3rd natl. Cong., Providence, R.I. (W. Prager, Brown Univ., Providence 12.)

11-14. National Soc. of Professional Engineers, St. Louis, Mo. (P. H. Robbins, NSPE, 2029 K St., NW, Washington, D.C.)

14-21. American Soc. of Medical Technologists, annual, Milwaukee, Wis. (Miss R. Matthaei, Suite 25, Hermann Professional Bldg., Houston 25, Tex.)

15-19. American Soc. of Mechanical Engineers, semiannual, Detroit, Mich. (O. B. Schier, II, ASME, 29 W. 39 St., New York 18.)

15-19. Cancer Research Conf., 3rd Canadian, Honey Harbour, Ontario. (R. L. Noble, Collip Medical Research Lab., Univ. of Western Ontario, London, Ont., Canada)

(See issue of 18 April for comprehensive list)

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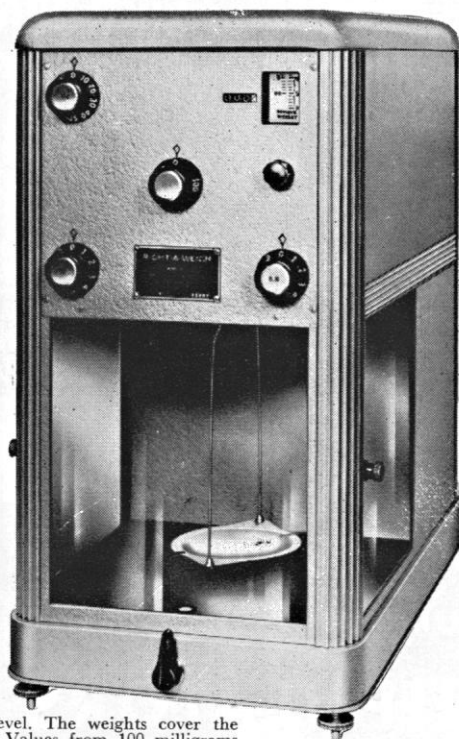
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