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The Honeywell Visicorder oscillograph that produced this neurophysiological record for a research laboratory provides an immediate, readable recording. There’s no film to develop, no enlargement to make.

It provides data continuously. You eliminate the lapses you get with ordinary oscilloscopes.

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Visicorders are available to instantly and simultaneously record up to 36 channels of physiological data of frequencies from DC to 10,000 cycles per second. They have as many as 15 recording speeds, from 2.5mm to 4000mm per second.

For complete details on using Honeywell data acquisition to handle the information from your research, write direct to Dr. D. C. Sutfin, Mail Station 418, Honeywell, Denver, Colorado 80217. In Canada, Honeywell Controls, Ltd., Toronto 17. Sales and service in all principal cities of the world.

This medical data acquisition system was custom-engineered from standard modules. Shown is a 24-channel Visicorder, a Model 8100 FM portable tape recorder/reproducer (8 channels, DC to 10KC), and a multi-trace oscilloscope which simultaneously monitors up to 8 channels.

ELECTRONIC MEDICAL SYSTEMS

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**Preliminary Edition**

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*An introduction to general chemistry, the text stresses a theoretical presentation; evidence is clearly separated from theoretical concepts*

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**Qualitative and Quantitative Analyses**: Qualitative analysis is treated as an extended illustration of ionic equilibria, and as a framework for describing the chemical behavior of the more important elements. This is related, whenever possible, to the electronic structure of the atom and the position of the element in the periodic table. Quantitative analysis is also treated as an application of the principles of ionic equilibrium.


Presently available for adoption, the Preliminary Edition will be revised as a cloth bound text for Fall 1966 classes.

1964, 626 pp., $6.25

**Study Projects in Physical Chemistry**

by F. E. Condon

Developed in the classroom to be used with current texts, *Study Projects in Physical Chemistry* offers advanced students first-hand knowledge of the actual treatment of experimental data.

- presents a collection of 24 study projects in the subject matter of physical chemistry, and makes possible a “case history” approach; students are given data and guided in its application through extensive calculations to the solution of specific problems or the determination of constants.

For advanced undergraduate and graduate students, this book may be used as a one semester course or as a supplement to a two semester course. Although designed primarily for introductory courses in physical chemistry, it may be utilized in other courses, as: chemical thermodynamics, chemical engineering thermodynamics, and computer programming. Prerequisites are a year of organic chemistry, quantitative analysis, college physics, analytical geometry, and differential and integral calculus.


(C615) 1963, 203 pp., (plus 32 sheets of graph paper), $4.75

**A Statistical Manual For Chemists**

by Edward L. Bauer

For those with no previous background in statistics, this introductory book stresses the use of range techniques.

- provides techniques which are both simple and fast, and which enable advanced undergraduate and graduate students to analyze their own data
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The appendix contains tables of values for ease and accuracy in computation; four tables were developed by the author.


(8200) 1960, 156 pp., $5.50

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*SECOND EDITION*

**by Daniel C. Pease**

This practical laboratory manual describes in detail the various techniques employed in preparing biological specimens for electron microscopy. It may be used to advantage by advanced undergraduate and graduate students of botany, zoology, anatomy, and pathology. The Second Edition was necessitated by the introduction of thermostable plastics as embedding media. Enriched in methodology, the text includes in addition to new embedments, new ways of preparing specimens, new stains, such ancillary techniques as "negative staining," autoradiography, and conjugated antibody staining. (P151) 1964, 381 pp., $9.50

**Modern Developments In Electron Microscopy**

**edited by Benjamin M. Siegel**

Advanced undergraduate and graduate students in the biological or physical sciences will find Modern Developments in Electron Microscopy a useful source of information. The book brings together original contributions written by leading authorities who report on present progress and indicate areas where future progress is likely to occur. The text contains three sections: the first covers the basic physics of the electron microscope with emphasis on current problems of high resolution; the second evaluates selected methods and techniques; and the third discusses applications. (S290) 1964, 432 pp., $13.50

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**Electron Microscopic Anatomy**

*edited by Stanley M. Kurtz*

This text will be useful to beginning students in electron microscopy as a standard for comparison of quality and interpretation of details. Each chapter was contributed by an authority who has carried out extensive work on the fine structure of the mammalian tissue he describes; the studies are of current as well as predicted future interest. Micrographs are, for the most part, taken from epoxy- or polyester-embedded tissue, permitting most faithful representation of fine structural detail. (K960) 1964, 425 pp., $14.00

**Molecular Genetics**

*edited by J. Herbert Taylor*

For graduate students in biology, biochemistry, genetics, and medicine, this book indicates the direction and scope of research in molecular genetics. The text provides a thorough discussion of research that is concerned with the nature of molecular interactions involved in the mechanisms of heredity. The various chapters were written by specialists who report on the important progress, theoretical implications, and changing concepts in the discipline. (T101) Part I, 1963, 544 pp., $14.50

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**MATHEMATICS • PHYSICS • CHEMISTRY • BIOLOGICAL SCIENCES • MEDICAL RESEARCH • SPACE SCIENCES • ENGINEERING • PSYCHOLOGY**
a note to the experimentalist who has signal/noise problems:

It is safe to say that the majority of current research in the physical sciences involves the measurement of small-effect phenomena where noise sets the limit to attainable precision or detectability. When discussing noise, we include most of the extraneous effects that arise during the course of an experiment that mask the effect under investigation. We also include noise having as its origin either the fundamental thermal fluctuation of all matter not at absolute zero or the quantized nature of radiation. One does not have to be engaged in highly sophisticated research problems such as detecting the Doppler shift of 21 centimeter galactic radiation to have need for modern signal processing techniques. In fact, many less exacting experiments, be they in physics, chemistry, astronomy or even biology, would be rendered more tractable by the application of relatively simple concepts that allow the realization of signal-to-noise ratios near the theoretical optimum.

LOCK-IN TECHNIQUE SOLVES THE PROBLEM

A particularly simple, yet elegant, way of achieving this goal has been pointed out by R. H. Dicke* who applied it to his sensitive microwave radiometer. This technique involves modulation at the source of the quantity being measured. The unknown signal may be a voltage, current, mechanical displacement, radiation, or any physical quantity that can be transformed into electrical energy. The signal to be detected is switched on and off at a fixed frequency, \( f_0 \), a frequency not too high for the transducer to follow, and not so low as to invite flicker-effect noise. The resulting small AC electrical signal, together with the multi-sourced noise that has entered the picture are now brought up to a high level in a selective amplifier tuned to \( f_0 \). A tuned amplifier is used to avoid dynamic range problems (overloading on noise) and to reject harmonics of \( f_0 \), when important. The amplified signal plus noise and a large “reference voltage” at \( f_0 \) are then fed into a mixer. This mixing process is called “coherent detection” and shifts the information in a given bandwidth at \( f_0 \) to an equal bandwidth about DC. The signal at DC is filtered by a simple resistor-capacitor low-pass network and displayed on a D’Arsonval meter or strip-chart recorder. It is easily shown that the equivalent bandwidth of the overall system is the cut-off frequency of this RC low-pass filter, which can be made as narrow as desired.

NO FREQUENCY DRIFT PROBLEMS

Inasmuch as the signal frequency is always “locked-in” to the detector, there are no frequency drift problems, regardless of the bandwidth used. The signal/noise ratio can thus be made arbitrarily large at the expense only of observation time. A sample experimental set-up is shown in block-diagram form below.

Lock-in amplifier used in radio telescope. Receiver noise, although much larger than noise signal from antenna, is not modulated and hence contributes little to DC output of lock-in amplifier. With this arrangement, it is possible to detect cosmic noise signals 40 db below the input noise level of the wideband microwave receiver.

Princeton Applied Research can provide the experimenter with a lock-in detection system for implementing this technique, the use of which will allow signals deeply buried in noise to be retrieved and measured with good accuracy. This equipment is contained in a single 7” relay rack chassis and has the following specifications:

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Transistorized Lock-In Amplifier — Model JB-5  
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Gain: (rms AC in to push-pull DC out) — Greater than 9,000.  
Linearity: Better than \( \pm 1\% \) of full scale.  
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Frequency Selective Amplifiers: Selectivity characteristic of tuned amplifiers in signal and reference channels is that of parallel resonant circuit with a Q of approximately 25 (NOT TWIN-T TYPE).  
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To acquaint those interested we are offering our Bulletin 109 which describes how the PAR lock-in system may be used to advantage in experiments in many fields.

Transistorized Lock-In Amplifier — Model JB-5  

Write for Bulletin 109 to:  
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SCIENCE, VOL. 148

154
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To introduce phase to the student lab, and to other areas where it has been a stranger, UNITRON has published a fully illustrated 64-page booklet, Understanding and Using the Phase Microscope. The text includes a special chapter of experiments written by Professor Julian D. Corrington of the University of Miami. Other subjects are covered, including the optical theory of microscopes in general. The booklet normally sells for $1.00 but we will be glad to send a free copy to any interested teacher or researcher.

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A powerful CONTROL DATA 3200 digital computer interfaces with a large-scale analog computer through a CONTROL DATA eight-channel conversion system. The analog component pre-processes raw data on physiological phenomena undergoing study...while the digital portion provides speed and capacity required to evaluate the many independent variables. Marriage of the two creates a biomedical computer system of tremendous versatility and power.

In the Salt Lake City laboratory, mathematical models of circulatory systems are being structured, covering blood pressure, heart rate and related, rapidly interacting factors. The computer is used to analyze and act upon input in a split-second — literally, between heartbeats.

CONTROL DATA generates highly creative man/machine research partnerships, through hardware, software, and follow-up support oriented to the scientific user and his way of working. For information on these computer systems contact the CONTROL DATA representative nearest you, or write our Minneapolis address, Dept. G-45.
Coleman pH electrodes, buffers

**Complete electrode selection**—Coleman electrodes meet virtually all pH measurement requirements. Standard models include ten glass electrodes with electrostatic shielding, eight reference electrodes, and eight metallic electrodes. Special-purpose models include micro, probe, and combination electrodes, all shielded against effects of stray electrical fields.

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**Features:**
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- Simplified operation—"push-to-read" pH control.

**Cost—from $139.00.**

**Increased versatility, Metrion II pH Meter** offers the same simplicity of design and operation as the basic Metrion. It also features two additional circuits for increasing versatility of the instrument:
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- ... an output jack for use with an automatic titrator such as the Coleman Titrion.

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**Cost—from $162.50.**

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- THE SCIENCE OF IONIZING RADIATION: Modes of Application compiled and edited by Lewis E. Etter, Univ. of Pittsburgh, Pittsburgh, Pa. (35 Contributors) Foreword by Otto Glasser. '65, 804 pp. (6¾ x 9¾), 224 figs., 29 tables. $26.50

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<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>OUTPUT VOLTAGE RANGE (VDC)</th>
<th>OUTPUT CURRENT RANGE (AMPS)</th>
<th>VOLTAGE REG. (LINE &amp; LOAD COMBINED)</th>
<th>VOLTAGE RIPPLE (RMS)</th>
<th>CONSTANT CURRENT RANGE</th>
<th>CURRENT REGULATION</th>
<th>CURRENT RIPPLE (RMS)</th>
<th>RACK HEIGHT (INCHES)</th>
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<td>QRC20-8</td>
<td>0-20</td>
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<td>±0.05% or ±4 ma</td>
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<td>0-15</td>
<td>±0.05% or ±8 ma</td>
<td>4 ma</td>
<td>5½</td>
<td>575</td>
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<table>
<thead>
<tr>
<th>COBALT-60†</th>
<th>CESIUM-137</th>
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<tr>
<td>ACTIVITY</td>
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<td>DIMENSIONS</td>
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<tr>
<td>0.25 inch diameter</td>
<td>0.281 inch diameter</td>
</tr>
<tr>
<td>0.688 inch long</td>
<td>0.531 inch long</td>
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</table>

*All prices F.O.B. Des Plaines. Quantity discounts are available. Prices do not include shipping container cost, which is refundable in full.
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Academic Degrees and Vested Interests

Thanks to John Walsh for his excellent treatment (News and Comment, 19 Feb., p. 844) of the potential intrusion of quasi-educational federal agencies into the academic preserve of degree-granting. Since he has done this spadework, I wish he would now enlarge the radius of his investigations to determine how many of the rules surrounding earned degrees are truly safeguards against diploma mills and substandard education, and how many are protection of academic vested interests which date back to the medieval universities.

We have all heard of absurd cases—perhaps apochryphal in detail but true in fundamentals—where the validity of graduate credits has been questioned because the student’s high school or undergraduate records were faulty in some minor particular. Does it really matter by what path—conventional or unconventional—an educated man or woman attains educational status? Is there not a need for some sort of examining university, performing a function like that of the original University of London? Is there any reason why a candidate should not appear before a panel of competent examiners, demonstrate his grasp of the fundamentals in his field, present already published and paid-for scholarly work in lieu of a straightforwardly valuable thesis, and get his degree without anybody’s knowing or caring whether he ever warmed a seat in the eighth grade?
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MAGNIFICATION: 400X
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OBJECTIVE: 100X Flat Field

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Water-Resources Technology


The title of this handbook is somewhat imprecise in that the material covered is much wider in scope than that usually considered to be the field of hydrology. However, the objective of the editor, to bring together the latest available information of a hydrologic nature, has been very well achieved.

The Handbook represents a comprehensive compilation of authoritative hydrologic technology, readily available for use in solving problems related to water resources. With greater and greater emphasis being placed on research in hydrology and water resources, this collection of information is very timely. The editor not only brings together a wealth of information that can be used by practicing scientists and engineers but, because he closely follows the pattern and style of a textbook, the volume should serve excellently as a textbook. The contributors are recognized authorities in their fields, and their presentations are based on a broad background of experience.

Continuity in the volume is good. The 29 sections fall systematically into four general categories. The first eight sections lay the foundation of the science and cover in considerable detail the scientific aspects of hydrology.

Sections 9 through 19 are concerned with the phenomena of the hydrologic cycle, beginning with precipitation and evapotranspiration and ending with droughts, low streamflow, and water quality. Sections 20 through 25 consider the practice and application of hydrology and cover such items as hydrology of urban areas, agricultural lands, forest and range lands, and hydrology of flow control (a very complete section).

The authors who contributed to the section on flow control (the section is divided into five parts) give a complete and up-to-date treatment of flow problems, especially flood hydrology and river forecasting. Not only have they adequately treated the fundamentals, they also have covered methods of approach. The practicing hydrologist or engineer will probably find this section the most valuable part of the volume.

Sections 26 through 29 cover some of the socioeconomic aspects of water resources, including water policy and water law.

In all sections the basic approach to the various fields of hydrology is excellent. Each section is provided with good references to additional sources of information.

Some sections are too wordy and contain extraneous material. Although this does not materially detract from their value to a reference work, it does impose a burden on those who use the book as a textbook. There is some duplication between sections, but this is not objectionable because it tends to reduce the number of cross references. The print is much too small for extended reading. These are, however, criticisms of minor details.

The hydrologist, the engineer, and the student should find this handbook a very useful reference source because almost all aspects of hydrology are thoroughly treated and liberally illustrated with examples.

H. F. SMITH
Illinois State Water Survey, Urbana

Chemical Engineering


This monograph, a revised edition of Chemische Reaktionen in Stosswellen which was published in 1959 as volume 3 of the series "Fortschritte der physikalischen Chemie" (edited by W. Jost), is concerned with the application of shock-wave techniques to the study of chemical reactions. The authors review, in a rather elementary fashion, the hydrodynamic theory of shock behavior in real gases and treat the transition region in some detail. The production of shock waves is discussed, and the advantages and shortcomings of the shock tube are indicated. The experimental techniques commonly used in establishing the properties of shock waves are set forth, and, in the final chapter, experimental measurements of chemical phenomena in shock waves are reviewed. Approximately 100 pages are devoted to a rather extensive tabulation of experimental work directly related to the study of chemical changes in shock waves.

Chemical Reactions in Shock Waves seems to be a satisfactory, conventional treatment for those who are not familiar with shock waves and their generation, but those who are versed in the physical phenomena of shock waves, with particular application to shock tubes or to high explosives, will find that this treatment involves little that is new and that it omits some of the more detailed analyses that have been attempted to establish the microscopic nature of the state changes that occur in shock phenomena.

B. H. SAGE
Department of Chemical Engineering, California Institute of Technology

New Books

Economics and the Social Sciences


nevertheless depends almost entirely upon private funding and receives contributions from foundations, individuals, and corporations. The annual general operating budget for 1965 is approximately $150,000. In addition, $100,000 is sought in 1965 for projects and studies previously mentioned.

The organization includes Board of Trustees: acting chairman, Frank Frei- 


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HARRY C. MESERVE
Academy of Religion and Mental Health, New York, New York

Conference of Biological Editors

The Conference of Biological Editors was elected as an affiliate of the AAAS at the Association’s 131st annual meeting, Montreal, Canada, December 1964. The Conference is a nonprofit association founded in New Orleans in 1957. The objects of the Conference are cooperation among editors, effective publication of continuing journals, and development of policies concerning communication in the biological sciences.

Membership is open to individuals who hold the principal responsibility for the editorial management of serial publications such as journals, reviews, monograph series, abstract journals and services, indexes, microcards, and similar media devoted to the periodic dissemination of biological knowledge. Most of the 165 members are, or have been, editors of primary biological journals.

The activities of the Conference include an annual meeting (usually of 2 days’ duration). Some sessions of the annual meeting are in the form of small panel discussions of questions and data papers prepared by standing and ad hoc committees.

These committees include: (i) Committee on Form and Style, which has prepared the Style Manual for Biological Journals. The manual is now in its second edition and accepted in whole or in part as the standard of form by approximately 175 biological journals; (ii) Committee on Review Articles, which strives toward coordination of efforts of publications devoted to reviews; (iii) Committee on Journal Exchange, which is exploring, among other matters, possible mechanisms to enhance the direct exchange of primary publications; (iv) Committee on Cooperation with Foreign Biologists, which together with the Executive Board and special committees has planned and carried out two conferences with biological editors from other regions (Latin America and Europe). These conferences are leading to formation of sister organizations of editors in these regions and to the possibility of further international standardization and upgrading of publications and international redac- torial services; (v) Committee on Publication Costs, which explores all manner of economic problems of journal publication; (vi) Committee on Graduate Training in Scientific Writing, which is working on ways to insure the inclusion of training in communication skills in biology programs; (vii) Committee on Editor Cooperation with Indexing and Abstracting Publication, which has defined the problems and already has seen some improvement in the acceptance of responsibility by primary journals for secondary diffusion of information; (viii) Committee on New Forms of Publication, which has participated in experiments, such as the Journal of Wildlife Diseases, in microcard, microprint, and other new forms; and (ix) Committee on Editorial Policy, which is concerned with procedural and ethical questions.

The executive secretary prepares and distributes an occasional informal newsletter. Since the average term of editors is about 6 years, there is considerable turnover and the executive secretary would welcome inquiries concerning membership from qualified individuals. The way is open to convey to others the results of some past work and to explore new ways of meeting the challenge of burgeoning biological literature.

The present officers of the Conference are: chairman, Gabriel Lasker (Wayne State University); vice-chairman, Carlton M. Herman (U.S. Fish and Wildlife Service, Patuxent Research Refuge, Laurel, Maryland); and executive secretary, Robert E. Gordon (University of Notre Dame).

ROBERT E. GORDON
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University of Notre Dame,
Notre Dame, Indiana
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Society for the Scientific Study of Religion

The Society for the Scientific Study of Religion was one of four societies elected at the 130th AAAS annual meeting in December 1963, as an affiliate of the Association. The society was founded in 1948 by two scholars, one religious and the other a social scientist. Students of religion needed a society to stimulate studies of a scientific nature. At the same time, certain social scientists felt that the study of religion by their disciplines needed encouragement.

For many years meetings were held twice a year in the Boston and the New York areas, usually at Harvard and at Columbia universities. But recently, with the establishment of the Journal for the Scientific Study of Religion, membership has grown and broadened both in the United States and in foreign countries so that an annual, longer meeting has been instituted. In 1964 this meeting was held in Washington, D.C.; in 1965 it will be held in New York, and in 1966 probably in Chicago.

Programs include contributed papers, and invited symposia and addresses. Most of the membership is divided between students of religion, psychology, and sociology. There is a small representation from the biological and physical fields.

Local meetings have on occasions been sponsored by interested members in such cities as Chicago, Minneapolis, and San Francisco. Programs have been held in conjunction with the American Psychological Association and the American Sociological Society. Past presidents have included Talcott Parsons, James Luther Adams, and Richard V. McCann (Harvard); Prentiss L. Pemberton (Colgate-Rochester Seminary); Horace M. Kallen (New School for Social Research); and Horace L. Friess (Columbia University).

Officers for 1964–65 are: president, Walter Houston Clark (Andover Newton Theological School); vice president, Paul W. Pruyser (Menninger Foundation); secretary, Allan W. Eister (Wellesley College); and treasurer, James E. Dittes (Yale University). Editor of the Journal is Prentiss L. Pemberton, 1100 South Goodman Street, Rochester 20, New York. The Society is governed by a Council which, in addition to the officers, includes Peter L. Berger, Isidor Chein, William G. T. Douglas, Horace L. Freiss, Horace M. Kallen, Noël Mail-
loux, Benjamin Nelson, and Talcott Parsons.

Membership is open to qualified scholars elected by the Council. Information about the Society and details concerning the annual meeting, usually held on the last Friday and Saturday of October, may be obtained from the executive secretary, Samuel Z. Klausner, Society for the Scientific Study of Religion, 1424 Sixteenth Street, NW, Washington, D.C. 20036.

Samuel Z. Klausner

Forthcoming Events

April

19-22. Association of American Geographers, annual, Columbus, Ohio. (E. Taaffee, Dept. of Geography, Ohio State Univ., Columbus)


19-21. Mechanics, Physics, and Chemistry of Solid Propellants, Purdue Univ., Lafayette, Ind. (A. C. Eringen, School of Aeronautics, Astronautics and Engineering Sciences, Purdue Univ., Lafayette)

19-22. Modern Trends in Activation Analysis, intern. conf., Texas A&M Univ., College Station. (R. E. Wainerdi, Texas A&M Univ., College Station)


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THE CLIMATE NEAR THE GROUND

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western div., Chicago, Ill. (L. E. Hahn,
Dept. of Philosophy, Southern Illinois
Univ., Carbondale)
29-2. Proteins of the Biological Fluids,
13th colloquium, Bruges, Belgium. (P.O.B.
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29-2. Association of Clinical Scientists,
New York, N.Y. (R. P. MacFate, ACS,
300 N. State St., Chicago, Ill. 60610)
29-2. Pan American Medical Assoc.,
40th annual congr., Grand Bahama Island.
(PAMA. 745 Fifth Ave., New York
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29-2. Roentgen, 46th German congr.,
Nuremberg, Germany. (A. Jakob, c/o
Strahleninstitut der Stätte, Krankenanstalten,
Flurstr. 17, 85 Nuremberg)
30-1. Colorado-Wyoming Acad. of Science,
annual, Univ. of Denver, Denver, Colo. (C. Norton, Dept. of Botany and
Plant Pathology, Colorado State Univ.,
Fort Collins)
30-1. Indiana Acad. of Science. Culver. (C. F. Dineen, St. Mary's College. Notre Dame, Ind. 46556)
30-1. Nebraska Acad. of Sciences, Lincol-
(Chicago, Ill. 60614)
30-2. Society of Biological Psychiatry.
New York, N.Y. (G. N. Thompson, 2010
Wilshire Blvd., Los Angeles, Calif.)
30-2. Academy of Psychoanalysis. an-
nual, New York, N.Y. (A. H. Rifkin, 125
E. 65 St., New York 10021)
30-2. American Psychosomatic Soc.,
anual, Philadelphia, Pa. (APS, 265 Nassau
Rd., Roosevelt, N.Y. 11575)
30-3. American Psychoanalytic Soc.,
52nd annual, New York, N.Y. (APA,
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May

1-2. Academy of Psychoanalysis. New
York, N.Y. (A. H. Rifkin, AP, 125 E. 65
St., New York 10021)
1-2. American Psychosomatic Soc.,
22nd annual, Philadelphia, Pa. (E. Meyer,
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1-4. Southern Surgeons' Club, 22nd an-
nual, Louisville, Ky. (H. M. Carney, 619
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1-5. American Assoc. of Medical Record Librarians, Chicago, Ill. (Mrs. M. J.
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1-6. American Ceramic Soc., 67th an-
nual, Philadelphia, Pa. (ACS, 4055 N.
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2. American Federation for Clinical Research, Atlantic City, N.J. (J. E. Bryan,
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2-5. American Assoc. of Plastic Sur-
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<th>35</th>
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<tbody>
<tr>
<td>Annual Premium (Payable only 16 Years)</td>
<td>$134.00</td>
<td>$159.00</td>
<td>$206.50</td>
</tr>
<tr>
<td>Cash Dividend End of First Year*</td>
<td>55.50</td>
<td>61.00</td>
<td>70.50</td>
</tr>
<tr>
<td>First Year Net Premium</td>
<td>$78.50</td>
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28–1. Canadian Assoc. of Geographers, annual, Vancouver, B.C. (Local Arrangement Committee, Dept. of Geography, Univ. of British Columbia, Vancouver 8)
30–2. Recent Advances in Adrenal Steroid Metabolism, symp., Montreal, Quebec, Canada. (Chemical Inst. of Canada, 48 Rideau St., Ottawa 2)
30–2. Canadian **Dental Association**, conv., Quebec. (L. Boeufier, 1024, avenue des Erables, Quebec)
31–2. Chemical Inst. of Canada, 48th conf., Montreal, Quebec. (Chemical Inst. of Canada, 48 Rideau St., Ottawa 2)
31–2. Canadian **Museums Association**, annual, Ottawa, Ontario. (Mrs. H. Downie, Royal Ontario Museum, Univ. of Toronto, 100 Queen's Park, Toronto 5)