Ernest Dean Gardner has been named professor of Anatomy and head of the department, replacing Gordon H. Scott who resigned as chairman of the Anatomy Department to assume the deanship of the College of Medicine. Dr. Scott will continue as professor of anatomy. Dr. Gardner is known for his many contributions in the field of joint innervation and physiology, and other aspects of neurophysiology.

Meetings

The international meeting of the Division of Rubber Chemistry, American Chemical Society, will be held in Cleveland, Ohio, October 11–13. Twenty-five technical papers will be given by distinguished rubber technologists from England, France, Holland, Italy, Sweden, Malaya, and Java; 20 papers will be presented by this country’s rubber chemists.

A formal dedication and open house will be held at the new quarters of the Virginia Fisheries Laboratory at Gloucester Point, Va., on October 12 from 2:00 to 5:00 p.m., to be followed by a two-day scientific meeting—sponsored by the Atlantic Estuarine Research Society—featuring a symposium on estuarine ecology. R. E. Coker, University of North Carolina, and Waldo Schmitt, U. S. National Museum, will serve as co-chairmen of the symposium, and participants will include many outstanding men in the field. Those interested in attending the scientific sessions should write the Virginia Fisheries Laboratory immediately for reservations (rates, $1.75–$2.50 per person per night).

The National Society for Crippled Children and Adults will hold its annual convention October 26–28 at the Stevens Hotel in Chicago. Delegates from more than 2,000 state and local affiliates of the society in the 48 states, District of Columbia, Alaska, Hawaii, and Puerto Rico will obtain up-to-date knowledge of the society’s program of education, research, and direct services. The meeting is open to the public, and an attendance of 5,000 is expected.

An institute on administration of scientific research and development will be presented by The American University, October 23–27, with the cooperation of the National Research Council and the AAAS. Formal registration will take place October 23, at 9:00 A.M., in the Office of the Registrar, School of Social Sciences and Public Affairs, 1901 F St., N.W., Washington, D. C. Those engaged in the administration of research and its application are eligible; others may be admitted with permission of the institute director. Applications will be accepted in the order in which they are received, and not more than 35 persons will be enrolled.

The program will be devoted to problems of research organization, administrative process in the research organization, research personnel, aids to research, and research product. Lectures by practitioners in government, industry, universities, and private foundations will present their findings in each of the topics on the program. In some instances a panel of experts will offer different points of view. Both students and speakers will participate in the discussion to follow each presentation. An advance registration fee of $10 will be credited to tuition charges of $35. Application should be made to Lowell H. Hatfery, The American University, 1901 F St., N.W., Washington 6, D. C.

Miscellaneous

Postgraduate training in orthopedic surgery will be given at the Hospital for Joint Diseases, New York City, in cooperation with Columbia University College of Physicians and Surgeons, from September 28 to December 14. The course, to be held on consecutive Thursdays, will include lectures, case demonstrations, conferences on the clinical, diagnostic, therapeutic, pathologic, bacteriologic, and chemical aspects of skeletal disease, presenting a review of the modern concept of the more important orthopedic diseases. Opportunities will be provided for clinical examination of patients. Applications for registration should be made to the Assistant Dean, Graduate Medicine, Columbia University College of Physicians and Surgeons, 630 West 168th St., New York 23.

Security, Loyalty, and Science, by Walter Gellhorn, of Columbia University Law School, has recently been published by Cornell University Press. This report is the first of eight to be issued in a Cornell study of the impact on civil liberties of current governmental practices intended to ensure security and the control of subversive conduct. The two-year project is being conducted as part of the university’s “Research in Civil Liberties,” under the direction of Robert E. Cushman, and has the financial support of the Rockefeller Foundation.

Existence of tritium, heavy radioactive isotope of hydrogen, in heavy water, has been announced by Willard F. Libby, of the University of Chicago, and A. V. Grosse, of Temple University. Source of the tritium is the action of cosmic rays in the upper atmosphere. The tritium is carried in minute quantities to the earth’s surface by rain, and collects in bodies of water. Its discovery, may permit the tracing of the vertical motion of bodies of water, for the tritium is introduced at the surface of lakes and oceans. The amount of tritium at various levels could determine the length of time required for water to reach lower levels.

Deadline for the receipt of entries in the Fourth Annual Photography-in-Science Salon, sponsored by The Scientific Monthly (a publication of the AAAS) and the Smithsonian Institution, is November 27. Laboratory directors, graduate students, and other scientists doing significant work in which photography is an important tool are urged to write for information and entry blanks to the Editor, The Scientific Monthly, 1615 Massachusetts Ave., N.W., Washington 5, D. C.
New Material for Mathematicians, Lumber Men, Physicists, and Chemists—

MATHEMATICS of RELATIVITY
By G. Y. Rainich, University of Michigan. Presents the theory of relativity in as simple a form as is consistent with the clarity of the fundamental concepts. In order to present the theory of relativity with maximum clarity, the mathematical aspect of the subject has been stressed. The book begins with a discussion of the inverse square law in terms of simple calculus. The more complicated situations are introduced step by step to bring in gradually the more sophisticated mathematical tools. Changes in fundamental concepts and the refinements of the mathematical technique are brought in only as they are needed. This system makes the presentation easier by separating the difficulties without sacrificing rigor. A book in the APPLIED MATHEMATICS SERIES, I. S. Sokolnikoff, editor. September 1950. 173 pages. $3.50.

FOREST PRODUCTS
By Nelson C. Brown, Syracuse University. A book of importance to anyone interested in the harvesting, processing, and marketing of materials other than lumber, including the principal derivatives, extractives, and incidental products in the U. S. and Canada. Covered are such product developments as the use of wood pulp for rayon, wood sugars, plastics, and clothing; veneers, plywood, pulp and paper products, densified or modified wood, Silvacon, and many chemical products; wood briquettes, linoleum floor coverings, wallboards, and other materials from wood paste. September 1950. 399 pages. 164 illus. $5.00.

RESPONSE of PHYSICAL SYSTEMS
By John Trimmer, University of Tennessee. This book on instrumentation and the measurement process shows how to use mathematical techniques on physical systems. Closely linked with cybernetics, this general study includes in its domain not only physical systems but biological and sociological entities as well. Throughout the work, philosophy and point of view are emphasized. Examples of physical systems are plentiful, diverse, and chosen with particular regard for subject and interest. August 1950. 268 pages. 94 illus. $5.00.

A GERMAN-ENGLISH DICTIONARY for CHEMISTS
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<tr>
<th>Hotel*</th>
<th>Single</th>
<th>Double</th>
<th>Twin-Bedded</th>
<th>Suites</th>
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<tbody>
<tr>
<td>STATLER</td>
<td>$4.00-$8.00</td>
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<td>OLMSTED</td>
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Prices are subject to change, but are not likely to do so.
RW means running water only—no private bath.

* A list of the headquarters of each society and section is under Association Affairs, SCIENCE, August 25 and in THE SCIENTIFIC MONTHLY for September.

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(Enumerate and attach list giving name and address of each person, including yourself)

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First Choice | Second Choice | Third Choice
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The list of names below is a photographic copy of the upper portion of page 673 of the DIRECTORY. It illustrates the ease with which a name can be found.

**MEMBERS and FELLOWS**

**M**

Ma, Frederick; M40R40; CN.
Ma, Roberta; P. O. Box 825, Berwyn, Md.; Botanical Sciences; M46F47; G.
Ma, T. S.; Dept. chemistry, National Peking Univ., Peiping, China; Chemistry, Medicine; M44; CN.
Mang, L. O.; Timken Roller Bearing Co., Canton, Ohio; Chemistry, Engineering; M42; CM.
Mass, Philip; Rahnemann Medical Coll., 235 North 16th St., Philadelphia, Pa.; Chemistry, Medicine; M42; CN.
Masako, Clarence A.; Univ. Colorado, Hosp. and Med. Sch., 4200 E. Ninth Ave., Denver, Colo.; Medicine, Education; M44F47; NQ.
Mabbutt, Thomas O.; M44R44; L.
Marby, Roger; M88R40.
McAdam, D. J., Jr.; M18F25R45; MB.
McAleney, Jerry; M48R46; CM.
McAllister, William Keith (1898); Box 300, Redlands, Calif.; B.S. Univ. Pennsylvania; Ceramic Engineering; Pres., Universal Sanitary Mfg. Co., Redlands; M34F34R43; MB.
McAllister, Edward Dorris (1901); Brighton Ht., Rochester, N. Y.; Ph.D. Univ. California; Physics, Education; Chief engr. instrumentation camera works, Eastman Kodak Co., Rochester; (M37F38R40) M47F38; BM.
McAmis, J. C.; Tennessee Valley Authority, Knoxville, Tenn.; Agriculture, Botanical Sciences; M47; OG.
McArdle, Edward II.; M42R42; C.
McArdle, C. G.; Bowmanville, N. Y.; Chemistry, Medicine; M28F38; CN.
McArdle, Edith Helen (1892); R. D. 1, Fort Ann, N. Y.; Ph.D.; Chemistry, Nutrition; Prof. and chrmn., dept. home economics, Skidmore Coll., Saratoga Springs; N. Y.; M29F38; CN.
McArdle, John Wood (1889); 200 Gencain Ave., Toronto, Ont., Canada; Ph.D. Univ. Chicago; Genetics; Prof. genetics, dept. Zoology, Univ. Toronto, Toronto, M13F15; FG.
McArthur, Selim Walker (1888); 122 S. Michigan Ave., Chicago, Ill.; M.D. Univ. Chicago; Surgery; Assoc. prof. surgery, Univ. Illinois and ar. attending surgeon, St. Luke Hosp., Chicago; M48; NF.
McAttee, Vera; M88R38; FG.
McAuley, Auley A.; Miami Univ., Oxford, Ohio; Zoology Sciences; M48; F.
McAuliffe, Gertrude Ward (1896); 630 Park Ave., New York, N. Y.; M.D. Long Island Coll. Medicine; Otology; Assoc. prof. otology, Cornell Univ., New York; M44; N.
McAvery, Blanche (1888); 108 W. Ash St., Normal, Ill.; Ph.D. Univ. Chicago; Zoology, Botany; Assoc. prof. biology, Illinois State Normal Univ.; M21F38; G.
McBain, James William (1892); 671 Foothill Rd., P. O. Box 1408, Stanford Univ., Calif.; Ph.D. Univ. Leipzig, Germany; Chemistry; Prof. chemistry, Stanford Univ.; M28F38; CB.

This particular part of page 673 is chosen because it contains brief examples of nearly all types of biographical sketches. The first item is the name of a person who was a member only one year. The next to the last name in the first column includes the usual biographical sketch; the subject was born in 1910, took his doctor's degree at Wisconsin; his specialty is Plant Physiology; he became a member of the Association in 1937, a fellow in 1939, and is affiliated with the Section on Botanical Sciences (G).

Preceding the Directory of Members is a history of the Association from its founding in 1848 to 1948, and a summary of the organization, objects, classes and numbers of members, dues, journals, awards, etc., of each of the 203 affiliated and associated societies of the AAAS. It is a compact survey of organized American science from its earliest days to the present time.

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**CITY ..........................................................**

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