

of the regression line. If extrapolation from the higher-degree curve outside the empirical range gave the same numerical result as a linear least-squares fit, it would merely be fortuitous.

The linear fit is especially suitable for our airplane data. It corresponds physically to an exponential attenuation mechanism well established in cosmic radiation-absorption processes. A quadratic (or higher-degree) fit would not be justified by the physics of the situation.

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Types and Name-Bearers

Shenefelt [*Science* 130, 331 (1959)] has suggested that proposal of a new species should be primarily by description of a single specimen, the type ("holotype"). Schopf [*Science* 131, 1043 (1960)] has objected, mainly on these grounds: types are not typical; description of a specimen does not describe or define a species; and the proper function of a type ("holotype") is solely that of name-bearing. I entirely agree with Schopf, and I made the same points at greater length 20 years

ago [*Am. J. Sci.* 238, 413 (1940)]. Since then this attitude has become widespread but, as Shenefelt's note shows, not universal.

Schopf proposes that a type as name-bearer be called "nomenifer." The combining form of *nomen* is *nomin-*, and the word should therefore be *nominifer*. I long since proposed the Greek-derived equivalent *onomatophore*. There is no particular reason to prefer Greek or Latin derivation, but current type terminology is derived from Greek.

I do not myself regularly use the term *onomatophore*, and I do not know of anyone who does. *Nominifer* is not likely to fare better. The term *type*, with all its confusing connotations, is too strongly entrenched in taxonomy. Codes of nomenclature require designation of types, under that name, and there is little or no chance of eradicating that usage.

The *onomatophore* or *nominifer* is the type of modern taxonomy. Additional designations such as *holotype* and *paratype* only perpetuate the idea that types can serve other than nomenclatural functions and hence can be of more than one kind.

G. G. SIMPSON

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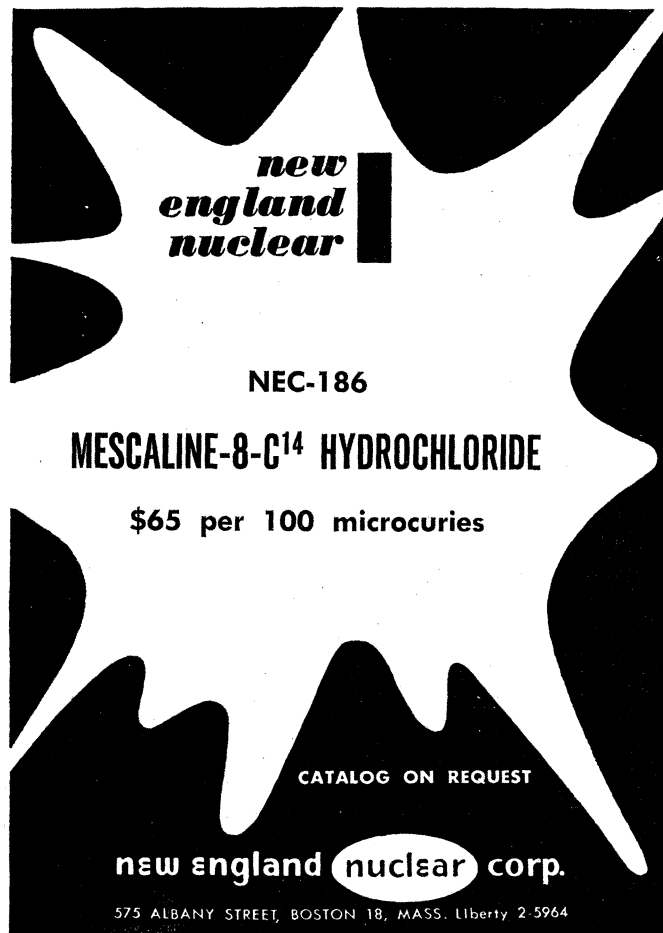
Meetings

Neuropathology

The Commission for Neuropathology was founded by invitation in the Salpêtrière Hospital in Paris on 24 October 1959. At this meeting were present Ludo van Bogaert and Pearce Bailey, president and secretary-general, respectively, of the World Federation of Neurology.

The following neuropathologists had been invited and became charter members of this commission: J. Bertrand (France); E. Christensen (Denmark); P. B. Diezel (Germany); W. Girard (France); W. Haymaker (United States); A. C. Løken (Norway); F. Lüthy (Switzerland); W. H. McMenemy (Great Britain); E. Osetowska (Poland); G. Peters (Germany), who was unable to attend the meeting; F. Seitelberger (Austria); P. Sourander (Sweden); J. O. Trelles (Peru); and W. J. C. Verhaart (Netherlands).

F. Seitelberger was elected secretary of the commission. The permanent secretariat has its headquarters at the Institute of Neurology of the University of Vienna (Obersteiner Institut), Schwarzspanierstrasse 17, Vienna 9, Austria.



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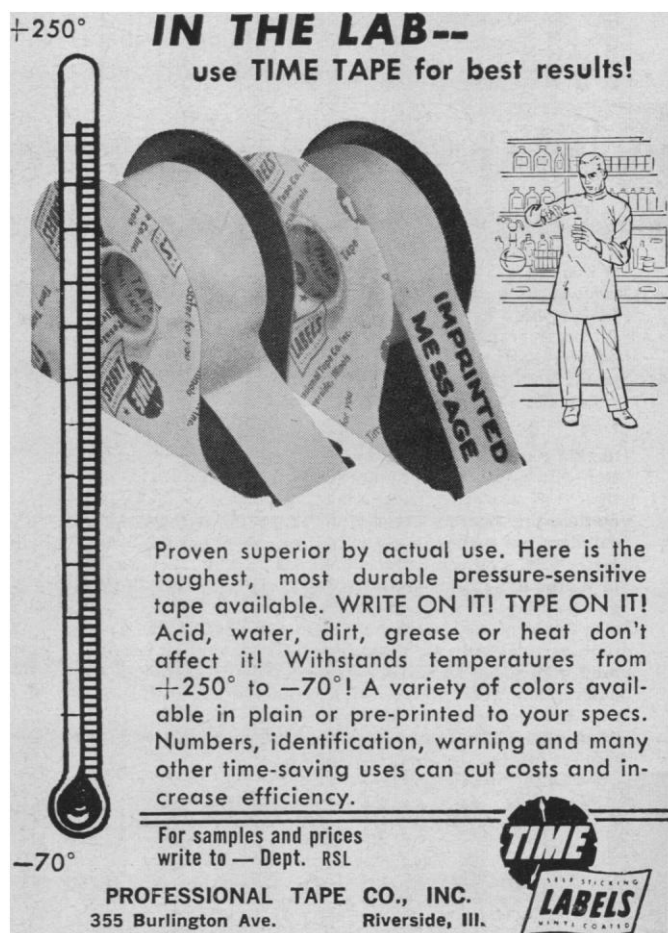
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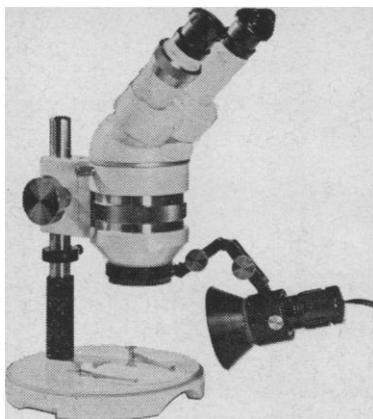
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GRASSLANDS

Editor: Howard B. Sprague 1959

6" x 9", 424 pp., 37 illus., index, cloth. Price \$9.00, AAAS members' cash orders \$8.00. AAAS Symposium Volume No. 53.

This volume is intended as a review of knowledge on many aspects of grasslands resources. The 44 authors were selected by their own professional colleagues as being particularly competent to present the respective subjects. Thirty-seven papers are arranged under these chapter headings:

1. Sciences in Support of Grassland Research
2. Forage Production in Temperate Humid Regions
3. Engineering Aspects of Grassland Agriculture
4. Forage Utilization and Related Animal Nutrition Problems
5. Evaluation of the Nutritive Significance of Forages
6. Grassland Climatology
7. Ecology of Grasslands
8. Range Management

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Washington 5, D.C.

The commission claims independence for neuropathology as a proper medical discipline and emphasizes the necessity of independent positions for full-time neuropathologists. Therefore the commission will examine the situation of neuropathology and neuropathologists in various countries and consider further action for protecting the neuropathologist's basic interests. In international congresses of the various neurological disciplines, the competence of neuropathology is to be recognized in an appropriate way.

Moreover the commission will be interested in preserving and caring for the valuable neuropathological collections in various places. It will try to make it possible for all interested scientists to use these collections.

One of the main tasks of the commission will be that of effectively promoting scientific activities in the field of neuropathology. For that purpose it is proposed that information be exchanged and personal contacts be arranged within the field of neuropathology and between neuropathology and related and basic scientific disciplines to develop suitable methods of investigation.

Finally, the commission is to be a consultative instrument within the World Federation of Neurology—for example, to promote important projects of investigation.

After a thorough discussion it was decided that an international journal of neuropathology should be published, to be issued in several languages.

The secretary of the Commission of Neuropathology will endeavor to keep the various medical journals informed about the activities of the commission. He welcomes all relevant suggestions from his colleagues interested in this project.

F. SEITELBERGER

Obersteiner Institut, Vienna, Austria

Forthcoming Events

June

22-25. Society of Nuclear Medicine, Estes Park, Colo. (T. P. Sears, V.A. Hospital, Denver 20, Colo.)

25-5. First Intern. Cong. on Automatic Control, Moscow, U.S.S.R. (R. Oldenburger, Mechanical Engineering Dept., Purdue Univ., Lafayette, Ind.)

26-1. American Physical Therapy Assoc., Pittsburgh, Pa. (Miss J. Bailey, 157 N. 79 St., Milwaukee 13, Wis.)

26-1. American Soc. for Testing Materials, Atlantic City, N.J. (R. J. Painter, 1916 Race St., Philadelphia 3, Pa.)

26-1. Mass Spectrometry, 8th annual, Atlantic City, N.J. (V. H. Dibeler, National Bureau of Standards, Washington 25)

26-1. National Education Assoc., Los Angeles, Calif. (W. G. Carr, 1201 16 St., NW, Washington 6)

26-2. American Physical Therapy Assoc., Pittsburgh, Pa. (Miss L. Blair, 1790 Broadway, New York 19)

27-29. Military Electronics, 4th natl. conv., Washington, D.C. (C. M. Crenshaw, Dept. of Army, Office of the Chief Signal Officer, R. & D. Division, SIGRD-2, Washington 25)

27-29. Status of Problems of Molecular Structure, symp., Seattle, Wash. (P. C. Cross, Dept. of Chemistry, Univ. of Washington, Seattle 5)

27-30. Coherence Properties of Electromagnetic Radiation, conf. (by invitation), Rochester, N.Y. (E. Wolf, Optics Institute, Rochester Univ., Rochester)

27-30. Institute of the Aeronautical Sciences, Los Angeles, Calif. (R. R. Dexter, IAS, 2 E. 64 St., New York 21)

27-30. National Assoc. of Power Engineers, annual conv., San Francisco, Calif. (E. J. Schuetz, NAPE, 176 W. Adams St., Chicago 3, Ill.)

27-1. International Assoc. for Bridge and Structural Engineering, 6th cong., Stockholm, Sweden. (P. Lardy, IABSE, Ecole Polytechnique Fédérale, Zurich, Switzerland)

27-1. Reading Conf., 2nd annual, Syracuse, N.Y. (R. A. Kress, Reading Center, Syracuse Univ., Syracuse 10)

28-1. American Home Economics Assoc., Denver, Colo. (Miss M. A. Warren, School of Home Economics, Univ. of Oklahoma, Norman)

29-1. Health Physics Soc., 5th annual, Boston, Mass. (E. E. Anderson, Health Physics Div., Oak Ridge National Laboratory, Oak Ridge, Tenn.)

July

3-5. American Assoc. of Colleges of Pharmacy, Boulder, Colo. (G. L. Webster, College of Pharmacy, Univ. of Illinois, Chicago 12)

4-8. Polarization Phenomena of Nucleons, symp., Basle, Switzerland. (K. P. Meyer, Physikalisches Institut der Universität Basle, Klingelbergstr. 82, Basle)

5-9. Goiter Conf., 4th intern., London, England. (J. C. McClintock, 149½ Washington Ave., Albany 10, N.Y.)

6-15. Entomological Conf., 7th Commonwealth, London, England. (Commonwealth Inst. of Entomology, 56 Queen's Gate, London, S.W.7)

10-14. Pan American Tuberculosis Cong., 12th, Bahia, Brazil. (F. D. Gómez, 26, de Marzo, 1065, Montevideo, Uruguay)

11-12. Response of Materials to High Velocity Deformation, conf., Estes Park, Colo. (AIME, 29 W. 39 St., New York 18)

11-15. British Dental Assoc., annual, Edinburgh, Scotland. (Secretary, British Dental Assoc., 13 Hill St., Berkeley Sq., London, W.1, England)

11-15. Royal Medico-Physiological Assoc., annual, London, England. (A. B. Monro, 11 Chandos St., Cavendish Sq., London, W.1)

11-16. Inter-American Nuclear Energy Commission, 2nd meeting, Petropolis, Rio de Janeiro, Brazil. (J. D. Perkinson, Jr., Inter-American Nuclear Energy Commission, c/o Pan American Union, Washington 6)

(See issue of 20 May for comprehensive list)