

bone is less than the North-South ratio of cumulative fallout.

The case of Australia is puzzling since the Australians subsist almost entirely on their own foodstuffs yet the average bone level in 1957-58 (0.20  $\mu\text{C}$  of  $\text{Sr}^{90}$  per gram of calcium) was equal to that in the United States. Other climatic and agricultural factors must play a more dominant role here if the bone sampling is representative (1).

J. LAURENCE KULP  
ARTHUR R. SCHULERT  
ELIZABETH J. HODGES

Lamont Geological Observatory,  
Torrey Cliff, Palisades, New York

#### Note

1. This is Lamont contribution No. 372.

### Church-Affiliated Colleges

Donald L. Thistlethwaite [*Science* 130, 71 (1959)] has reported that religious affiliation on the part of a college is negatively related to encouraging Ph.D. scholars in the natural sciences.

It has occurred to me that this factor may have an important bearing on his ranking of institutions by geographical region, especially since his sampling is so extensive and since some of these regions

have a much higher proportion of church-supported institutions than do others.

An illuminating extension of this study would be a subclassification of geographical ranking according to whether or not the institutions included in the sample have religious affiliation.

JAMES R. KUPPERS  
Grifton, North Carolina

To test the hypothesis suggested by Kuppers I have done a two-way analysis of variance. In order to avoid cells with missing entries, it was necessary to combine the New England and Middle Atlantic regions. Thus we have a 2 by 4 classification: presence versus absence of religious affiliation and separation by four regions. The results indicate significant differences in the production of graduates who attain the Ph.D. in the natural sciences ( $p < .01$ ) between geographical religious-affiliation groups, but no significant interaction. The nonsignificant interaction indicates that the geographical differences have not been found to vary according to whether or not the colleges have religious affiliations.

DONALD L. THISTLETHWAITE  
National Merit Scholarship Corporation,  
Evanston, Illinois

## Meetings

### Forthcoming Events

#### October

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

14-17. American College of Chest Physicians, 25th, Albuquerque, N.M. (M. Kornfeld, 112 E. Chestnut St., Chicago 11, Ill.)

15-16. American Ceramic Soc., Glass Div., Wernersville, Pa. (F. P. Reid, ACS, 4055 N. High St., Columbus 14, Ohio.)

15-17. Academy of Psychosomatic Medicine, Cleveland, Ohio. (B. B. Moss, Suite 1035, 55 E. Washington St., Chicago 2, Ill.)

15-17. National Soc. of Professional Engineers, fall meeting, Seattle, Wash. (P. H. Robbins, NSPE, 309 Bancroft Bldg., Univ. of Nebraska, Lincoln.)

16-17. Association of Midwest College Biology Teachers, conf., Notre Dame, Ind. (G. R. Bernard, Dept. of Biology, Univ. of Notre Dame, Notre Dame, Ind.)

17-18. American Acad. of Psychotherapists, 4th annual conf., New York, N.Y. (AAP, 30 Fifth Ave., New York 11.)

17-25. Plastics Industry, intern. fair, Düsseldorf, Germany. (Nordwestdeutsche Ausstellungs Gesellschaft (NOWEA), Ehrenhof 4, Düsseldorf.)

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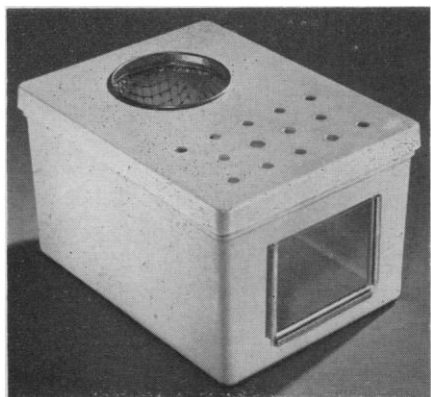
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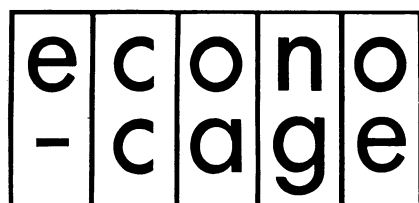
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18-22. Electrochemical Soc., Columbus, Ohio. (R. K. Shannon, ES Inc., 216 W. 102 St., New York 25.)

18-23. American School Health Assoc., Atlantic City, N.J. (A. O. DeWeese, 515 E. Main St., Kent, Ohio.)

18-23. American Soc. of Plastic and Reconstructive Surgery, Miami Beach, Fla. (T. R. Broadbent, 508 E. South Temple, Salt Lake City, Utah.)

19-21. High Polymer, 9th Canadian, Toronto, Ontario, Canada. (K. E. Russell, Dept. of Chemistry, Queen's Univ., Kingston, Ontario.)

19-22. Semiconductor Symp. (Electrochemical Soc.), Columbus, Ohio. (A. C. Beer, Battelle Memorial Inst., 505 King Ave., Columbus 1, Ohio.)

19-23. American Public Health Assoc., 87th annual, Atlantic City, N.J. (B. F. Mattison, 1790 Broadway, New York 19.)

19-23. American Soc. of Civil Engineers, annual conv., Washington, D.C. (W. H. Wisley, ASCE, 33 W. 39 St., New York 18.)

19-23. Radioisotopes in the Biosphere, symp., Minneapolis, Minn. (R. B. Caldecott, Center for Continuation Study, Univ. of Minnesota, Minneapolis 14.)

19-31. International Cong. of Therapeutics, Strasbourg, France. (Prof. Fontaine, Doyen de la Faculte de Starsbourg, France.)

19-31. Pan American Medical Assoc., 10th conf., Mexico, D.F., Mexico. (J. Eller, PAMCA, 745 Fifth Ave., New York 22.)

20-21. Reprocessing of Nuclear Fuels, AEC symp., Richland, Wash. (J. T. Christy, Hanford Operations Office, U.S. Atomic Energy Commission, Richland, Wash.)

20-22. Standards, 10th natl. conf., Detroit, Mich. (K. G. Ellsworth, American Standards Assoc., 70 E. 45 St., New York 17.)

20-23. Clean Air, intern. conf., London, England. (National Soc. for Clean Air, Palace Chambers, Bridge St. London, S.W.1, England.)

22-24. Acoustical Soc. of America, fall meeting, Cleveland, Ohio. (W. Waterfall, ASA, 335 E. 45 St., New York 17.)

22-24. American Documentation Inst., annual, Bethlehem, Pa. (C. G. LaHood, Jr., Library of Congress, Washington 25.)

22-25. British Medical Assoc., annual clinical, Norwich, England. (W. Hedcock, BMA House, Tavistock Sq., London, W.C.1, England.)

23-24. Canadian Soc. for the Study of Fertility, Montreal, Canada. (J. F. Campbell, 238 Queen's Ave., London, Ont., Canada.)

23-25. American College of Cardiology, 8th annual, Philadelphia, Pa. (P. Reichert, ACC, Empire State Bldg., New York 1.)

23-27. American Heart Assoc., annual, Philadelphia, Pa. (W. F. McGlone, AHA, 44 E. 23 St., New York 10.)

24-29. Darwin Centennial, intern. celebration, Chicago, Ill. (Office of Public Relations, Univ. of Chicago, Ill.)

24-29. First All-India Cong. of Zoology, Jabalpur. (B. S. Chauhan, Zoological Survey of India, 34 Chittaranjan Ave., Calcutta 12.)

26-27. American Cancer Soc., New

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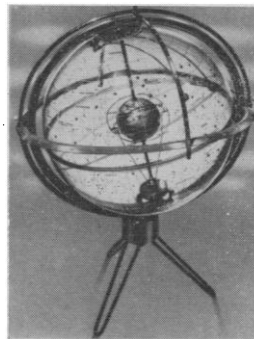
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York, N.Y. (ACS, 521 W. 57 St., New York 19.)

26-27. Griseofulvin and Dermatomycoses, intern. symp., Miami, Fla. (H. Blank, Dept. of Dermatology, Univ. of Miami School of Medicine, Miami 36.)

26-28. Aeronautical and Navigation Electronics, IRE conf., Baltimore, Md. (L. G. Cumming, IRE, 1 E. 79 St., New York 21.)

26-28. Analytical Chemistry in Nuclear Reactor Technology, 3rd conf., Gatlinburg, Tenn. (C. D. Susano, Oak Ridge Natl. Lab., P.O. Box Y, Oak Ridge, Tenn.)

26-28. Gas Lubricated Bearings, 1st intern. symp., Washington, D.C. (S. W.

Doroff, Power Branch, Office of Naval Research, Washington 25.)

26-28. National Rehabilitation Assoc., Boston, Mass. (E. D. Callahan, 14 Court Square, Boston 8.)

26-28. Society of Automotive Engineers, natl. transportation meeting, Chicago, Ill. (R. W. Crory, SAE, 485 Lexington Ave., New York 17.)

26-30. Society of Photographic Scientists and Engineers, natl. conf., Chicago, Ill. (SPSE, Box 1609, Main Post Office, Washington, D.C.)

26-30. Standardization (ISO), committee on rubber, New York, N.Y. (ISO, General Secretariat, 1, rue de Varembe, Geneva, Switzerland.)

27. Association of Consulting Chemists and Chemical Engineers, annual symp., New York, N.Y. (A. B. Bowers, ACCCE, 50 E. 41 St., New York 17.)

28-29. Computer Conf., Chicago, Ill. (F. A. Judd, Armour Research Foundation, Technology Center, 10 W. 35 St., Chicago 16, Ill.)

28-30. Aircraft Electrical Soc., Los Angeles, Calif. (E. I. Niles, AES, 920 South Robertson Blvd., Los Angeles 35.)

28-31. American Soc. of Tropical Medicine and Hygiene, Indianapolis, Ind. (R. B. Hill, 3575 St. Gaudens Rd., Miami 33, Fla.)

29-31. Animal Care Panel, 10th annual, Washington, D.C. (Animal Care Panel (ILAR), NAS-NRC, 2101 Constitution Ave., NW, Washington 25.)

30-31. Society for the Scientific Study of Religion, New Haven, Conn. (J. E. Dittes, 409 Prospect St., New Haven 11, Conn.)

30-31. West Central States Biochemical Soc., Columbia, Mo. (D. F. Millikan, WCSBS, Dept. of Horticulture, College of Agriculture, Univ. of Missouri, Columbia.)

#### November

1-4. Society of Economic Geologists, Pittsburgh, Pa. (H. M. Bannerman, U.S. Geological Survey, Washington 25.)

2-4. Atomic Industrial Forum, annual conf., Washington, D.C. (Atomic Industrial Forum, Inc., 260 Madison Ave., New York 16.)

2-4. Geochemical Soc., Pittsburgh, Pa. (K. B. Krauskopf, Geology Dept., Stanford Univ., Stanford, Calif.)

2-4. Geological Soc. of America, Pittsburgh, Pa. (H. R. Aldrich, 419 W. 117 St., New York 27.)

2-4. Mineralogical Soc. of America, Pittsburgh, Pa. (C. S. Hurlbut, Jr., 12 Geological Museum, Harvard Univ., Oxford St., Cambridge 38, Mass.)

2-4. National Assoc. of Geology Teachers, Pittsburgh, Pa. (F. Foote, Dept. of Geology, Williams College, Williamstown, Mass.)

2-4. Paleontological Soc., Pittsburgh, Pa. (H. B. Whittington, Museum of Comparative Zoology, Harvard Univ., Cambridge 38, Mass.)

2-5. Physical and Extractive Metallurgy, symp., Chicago, Ill. (Metallurgical Soc. of AIME, 29 W. 39 St., New York 18.)

2-6. American Inst. of Mining, Metallurgical, and Petroleum Engineers and Inst. of Metals, fall, Chicago, Ill. (E. O. Kirkendall, AIME, 29 W. 39 St., New York 18.)

2-6. Collegium Internationale Allogenicum, 4th symp., Rome, Italy. (A. Cerletti, Pharmacological Laboratories, Sandoz, Ltd., Basel, Switzerland.)

4-5. Diffraction, 17th annual conf., Pittsburgh, Pa. (P. K. Koh, Allegheny Ludlum Steel Corp., Research and Development Laboratories, Brackenridge, Pa.)

4-6. American Nuclear Soc., conf., Washington, D.C. (American Nuclear Soc., John Crerar Library, 86 E. Randolph St., Chicago 1, Ill.)

4-6. Antibiotics, 7th annual symp.,

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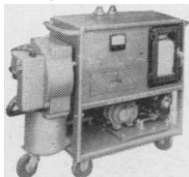
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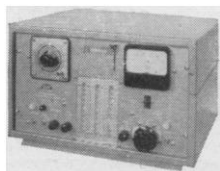
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Washington, D.C. (H. Welch, Div. of Antibiotics, Food and Drug Administration, Dept. of Health, Education, and Welfare, Washington 25.)

4-6. Design of Experiments in Army Research, 5th conf. (by invitation only), Fort Detrick, Frederick, Md. (F. G. Dressel, Office of Ordnance Research, Box CM, Duke Station, Durham, N.C.)

4-6. Eastern Analytical Symp., New York, N.Y. (P. Lublin, Publicity Chairman, Sylvania Research Laboratories, Bayside, N.Y.)

4-6. Industrial Management Soc., Chicago, Ill. (R. J. Mayer, IMS, 330 S. Wells St., Chicago 6.)

4-6. National Automatic Control Conf., Dallas, Tex. (G. L. Turin, Hughes Research Laboratories, Culver City, Calif.)

4-6. Society of Rheology, 30th anniversary, Bethlehem, Pa. (J. T. Bergen, Armstrong Cork Co., Lancaster, Pa.)

4-6. Technical Assoc. of the Pulp and Paper Industry, 13th alkaline pulping conf., Jacksonville, Fla. (TAPPI, 155 E. 44 St., New York 17.)

5-8. Group for the Advancement of Psychiatry, New York, N.Y. (American Psychiatric Assoc., 1700 18 St., NW, Washington 9.)

6. Gastroenterology Research Group, 9th semi-annual, Chicago, Ill. (E. Clinton Texter, Jr., Ward Memorial Bldg., Medical School, Northwestern Univ., 303 E. Chicago Ave., Chicago 11.)

8-13. International Rubber Conf., Washington, D.C. (B. S. Garvey, Jr., Pennsalt Chemical Corp., Industrial Chemicals Div., 813 Lancaster Pike, Wayne, Pa.)

9-11. American Petroleum Inst., 39th annual, Chicago, Ill. (API, 50 W. 50 St., New York 20.)

9-11. Association of Military Surgeons, 66th annual conv., Washington, D.C. (R. E. Bitner, AMS, Suite 718, 1726 Eye St., NW, Washington 6.)

9-11. Chemical Engineering, symp., Hamilton, Ontario, Canada. (Chemical Inst., 18 Rideau St., Ottawa 2, Ontario.)

9-11. Institute of Radio Engineers—Electronics Industries Assoc., fall, Syracuse, N.Y. (L. G. Cumming, IRE, 1 E. 79 St., New York 21.)

9-11. Instrumentation Conf., 4th, Atlanta, Ga. (W. B. Jones, Jr., School of Electrical Engineering, Georgia Inst. of Technology, Atlanta 13.)

9-12. Society of Exploration Geophysicists, 29th annual intern., Los Angeles, Calif. (B. Roberts, SEG, 1544 N. Highland Ave., Los Angeles 28.)

10-12. Electrical Techniques in Medicine and Biology, 12th annual conf., Philadelphia, Pa. (D. A. Holaday, College of Physicians and Surgeons, Columbia Univ., New York, 32.)

10-15. Laboratory Measurement and Automation Techniques in Chemistry, intern. cong., Basel, Switzerland. (ILMAC, 61 Clarastrasse, Basel, Switzerland.)

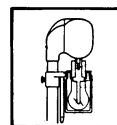
11-12. Clinical Anticancer Drug Research, Washington, D.C. (B. H. Morrison, III, Cancer Chemotherapy National Service Center, National Cancer Inst., Bethesda 14, Md.)

11-13. Gerontological Soc., Detroit, Mich. (R. W. Kleemeier, Dept. of Psychology, Washington Univ., St. Louis 5, Mo.)

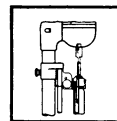
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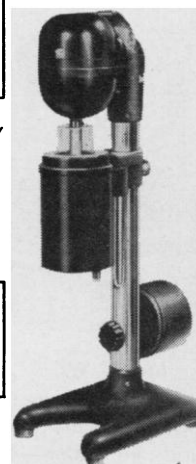
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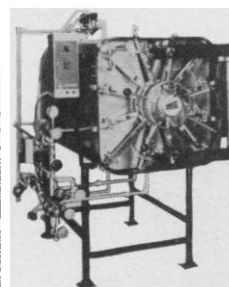


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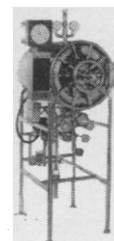
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