serum to lymphocytes), alters immune reactions profoundly. Some points in describing the scope of the effect of ALS on humoral response were: importance of giving ALS before antigen (optimal effect when given intravenously 3 days before antigen), effectiveness on primary response which is suppressed but not abolished, and noneffectiveness against the secondary response. In order to prolong skin graft survival indefinitely, ALS must be given continuously. The serum caused no change in the thymus but produced selective damage in the paracortical area of thymus-dependent lymphoid tissue (spleen and bone marrow). The fate of labeled ALS-eluted antibody was studied. Because of rapid blood clearance it was assumed to exert a rapid effect. Radioautography of various tissues indicated only a small percentage uptake into lymphoid tissues. Because of large uptake in liver, a model was presented that indicated interaction of recirculating lymphocytes with circulating ALS and clearance of these cells by the liver. Lance expressed concern about the tendency of immunosuppressive drugs and ALS to increase the background of neoplastic cells that might give rise to lymphomas. However, he was optimistic about deriving experimental models using skin grafts and limited amounts of ALS plus other immunosuppressive agents that would lead to avoiding untoward clinical reactions to grafts.

The conference was supported in part by Ames Laboratories, Elkhart, Indiana; the Office of Naval Research, Biochemistry Branch, Washington, D.C.; and Hyland Laboratories, Los Angeles, California. This is contribution No. 3828.

JUSTINE S. GARVEY Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena 91109

National Meetings

August

3-6. National Heat Transfer Conf., 11th, Minneapolis, Minn. (D. C. Kelly, American Inst. of Chemical Engineers, 345 E. 47 St., New York 10017)

3-7. Society for Cryobiology, 6th annual, Buffalo, N.Y. (R. E. Greco, 3175 Staley Rd., Grand Island, N.Y. 14072)

4-5. Aerospace Structures Design Conf., Seattle, Wash. (J. R. Fuller, Boeing Co., P.O. Box 707, Orgn. 6-8650, M/S 77-89, Renton, Wash. 98055)

4-5. American Soc. of Safety Engineers, College Park, Md. (W. C. Christensen, ASSE, 850 Busse Highway, Park Ridge, III. 60068)

4-6. Deterioration and Preservation of Library Materials, 34th annual conf., Chicago, Ill. (H. W. Winger, Graduate Library School, Univ. of Chicago, 1116 E. 59 St., Chicago 60637)

4-8. Molecular Biology and Pathology, 2nd conf., Saratoga Springs, N.Y. (K. T. Lee, Dept. of Pathology, Albany Medical College, Albany, N.Y. 12208)

5-8. World Conf. on Records, Salt Lake City, Utah. (S. E. Beesley, 1030 S. Orchard Dr., Bountiful, Utah 84010)

6-8. Applications of X-Ray Analysis Conf., Denver, Colo. (B. L. Henke, Div. of Metallurgy, Denver Research Inst., Denver 80210)

10-13. Soil Conservation Soc. of America, Fort Collins, Colo. (H. W. Pritichard, 7515 NE Ankeny Rd., Ankeny, Iowa

11-13. Symposium on Crystal Growth, Washington, D.C. (H. S. Peiser, Room B316, Bldg. 223, National Bureau of Standards, Washington, D.C. 20234)

11-14. Society of Photo-Optical Instrumentation Engineers, 14th annual technical symp., San Francisco, Calif. (H. L. Kasnitz, SPIE Symposium, P.O. Box 288, Redondo Beach, Calif. 90277)

12. American Astronomical Soc., Al-

bany, N.Y. (G. C. McVittie, Univ. of Illinois Observatory, Urbana 61801)

13-24. Frontier Topics in Crystallography, Stony Brook, L.I., N.Y. (E. H. Kone, American Inst. of Physics, 335 E. 45 St., New York 10017)

17-22. Animal Behavior Soc., Burlington, Vt. (B. Dane, Tufts Univ., Medford, Mass.)

17-22. American Inst. of Biological Science, Burlington, Vt. (J. R. Olive, 3900 Wisconsin Ave., NW, Washington, D.C.

17-22. American Soc. of Zoologists, Burlington, Vt. (J. R. Shaver, Dept. of Zoology, Michigan State Univ., East Lansing 48823)

18-20. Genetics Soc. of America, Madison, Wis. (B. Wallace, Dept. of Genetics, Cornell Univ., Ithaca, N.Y. 14850)

18-21. American Hospital Assoc., Chicago, Ill. (E. L. Crosby, 840 N. Lake Shore Dr., Chicago 60611)

18-22. New England Assoc. of Chemistry Teachers, 31st summer conf., Plymouth, N.H. (M. P. Olmsted, Publicity Chairman, NEACT, 9 Brookmont Dr., Wilbraham, Mass. 01095)

18-22. American Soc. of Pharmacognosy, 10th annual, Corvallis, Ore., with Marine Biomed'cinals Symp. (P. Catalfomo, School of Pharmacy, Oregon State Univ., Corvallis 97331)

18-22. American Phytopathological Soc., Spokane, Wash. (J. P. Fulton, Dept. Phytopathological of Plant Pathology, Univ. of Arkansas, Favetteville 72701)

18-22. National Goals in Water Pollution Control, Santa Barbara, Calif. (F. A. Butrico, Coordinator of Environmental Sciences Programs, Battelle Memorial Inst., Columbus Laboratories, Washington, D.C.)

19. Biometric Soc., western North American regional, Pullman, Wash. (J. S. Williams, Statistical Lab., Colorado State Univ., Fort Collins)

19-21. Birch Symp., Durham, N.H.

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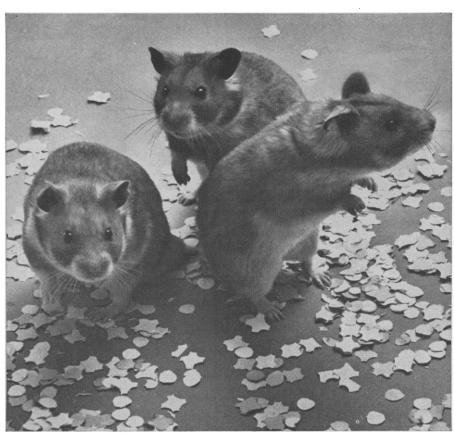
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- (R. R. Weyrick, Dept. of Forest Resources, Univ. of New Hampshire, Durham 03824)
- 19-22. Biometric Soc., eastern North American regional, New York, N.Y. (D. G. Gosslee, P.O. Box 713, Oak Ridge, Tenn. 37830)
- 19-22. American Assoc. of Clinical Chemists, 21st natl. mtg., Denver, Colo. (J. Preston, P.O. Box 18323, Capitol Hill Station, Denver 80218)
- 19-22. Western Electronic Show and Convention, San Francisco, Calif. (D. W. Martin, WESCON, 3600 Wilshire Blvd., Los Angeles, Calif. 90005)
- 19-22. American Soc. for Horticultural Science, 44th annual, Pullman, Wash. (C. Blackwell, The Society, 615 Elm St., St. Joseph, Mich. 49085)
- 19-22. Phytochemical Soc. of North America, Banff, Alberta, Canada. (J. W. Watkin, Prairie Regional Lab., Saskatoon, Sask., Canada)
- 19-22. American Statistical Assoc., 129th, New York, N.Y. (D. C. Riley, The Association, 810 18th St., NW, Washington, D.C. 20006)
- 19-23. American Fern Soc., Seattle, Wash. (A. M. Evans, Dept. of Botany, Univ. of Tennessee, Knoxville 37916)
- 20-22. American Soc. of Civil Engineers, Hydraulics Conf., Logan, Utah. (ASCE Hydraulics Conf., % Utah Water Research Lab., Utah State Univ., Logan 84321)
- 21-23. American Nature Study Soc., Pullman, Wash. (J. Geisler, Milewood Rd., Verbank, N.Y. 12585)
- 24-25. Programming Languages Definition, San Francisco, Calif. (J. A. Painter, IBM Corp., Research Lab., Dept. 978, Bldg. 025, Monterey and Cottle Rds., San Jose, Calif. 95114)
- 24-27. Alaska Div., AAAS, College. (V. Fisher, Inst. of Social, Economic and Government Research, Univ. of Alaska, College 99701)
- 24–27. Defects in Electronic Materials for Devices, Boston, Mass. (D. P. Seraphim, IBM Components Div., Bldg. 300, Hopewell Junction, N.Y. 12533)
- 24-27. Conference on Food-Drugs from the Sea, Kingston, R.I. (G. F. Greene, Jr., % Professional Services, Abbott Labs., North Chicago, Ill. 60064)
- 24-29. Gerontological Soc., Washington, D.C. (E. Kaskowitz, The Society, 660 S. Euclid St., St. Louis, Mo. 63110)
- 24-2. Botanical Soc. of America, Seattle, Wash. (R. C. Starr, Dept. of Botany, Indiana Univ., Bloomington 47401)
- 25-27. Applied Mechanics Western Conf., Albuquerque, N.M. (A. B. Conlin, Jr., Technical Depts., 345 E. 47 St., New York 10017)
- 25-27. Mathematical Assoc. of America, Eugene, Ore. (A. B. Willcox, The Association, 1225 Connecticut Ave., NW, Washington, D.C. 20036)
- 25-28. Chromosphere-Corona Transition, Boulder, Colo. (J. W. Evans, Sacramento Peak Observatory, Sunspot, N.M. 88349)
- 25-29. American Physiological Soc., Davis, Calif. (G. Hamilton, APS, 9650 Rockville Pike, Bethesda, Md. 20014)
- 26-28. Engineering Applications of Electronic Phenomena Conf., Ithaca,

N.Y. (H. J. Carlin, School of Electrical Engineering, Cornell Univ., Ithaca 14850)

26-29. Electron Microscope Soc. of America, St. Paul, Minn. (G. G. Cocks, Olin Hall, Cornell Univ., Ithaca, N.Y. 14850)

28-1. Society of Petroleum Engineers, Denver, Colo. (J. B. Alford, 6200 N. Central Expressway, Dallas, Tex. 75206)

31-4. American Psychological Assoc., Washington, D.C. (K. Goodall, The Society, 1200 17th St., NW, Washington, D.C. 20036)

31-4. Psychometric Soc., Washington, D.C. (W. B. Schrader, Educational Testing Service, Princeton, N.J. 08540)

31-6. Quantum Solids: Hydrogen and Helium, Aspen, Colo. (J. C. Raich, Colorado State Univ., Fort Collins 80521)

September

2-4. Comparative Virology, intern. conf., Montreal, Canada. (K. Maramorosch, Boyce Thompson Inst. for Plant Research, Yonkers, N.Y. 10701)

2-6. Molecular Structure and Spectroscopy, 24th annual symp., Columbus, Ohio. (K. N. Rao, Physics Dept., Ohio State Univ., Columbus 43210)

2-6. Tuberculosis, intern. conf., New York, N.Y. (J. E. Perkins, Natl. Tuberculosis Assoc., 1790 Broadway, New York 10019)

3-5. Weather Forecasting and Analysis, 3rd, Virginia Beach, Va. (E. C. Kindle, Navy Weather Research Facility, Bldg. R 48, Naval Air Station, Norfolk, Va. 23511)

3-6. Conference on Biogenic Amines as Physiological Regulators, Woods Hole, Mass. (B. A. Curtis, Tufts Univ. School of Medicine, 136 Harrison Ave., Boston, Mass. 02111)

3-6. American Political Science Assoc., New York, N.Y. (E. M. Kirkpatrick, APSA, 1527 New Hampshire Ave., NW, Washington, D.C. 20036)

4-6. American Assoc. of Obstetricians and Gynecologists, Hot Springs, Va. (R. B. Wilson, 200 First St., SW, Rochester, Minn. 55901)

4-6. Parapsychological Assoc., 12th intern. conv., New York, N.Y. (J. G. Pratt, Box 152, Univ. of Virginia Medical School, Charlottesville 22901)

5-7. Society for the Study of Amphibians and Reptiles, 12th annual, Carbondale, Ill. (J. T. Collins, Museum of Natural History, Univ. of Kansas, Lawrence 66044)

7-12. American Chemical Soc., 158th natl., New York, N.Y. (Manager, Natl. Meeting and Divisional Activities, 1155 16th St., NW, Washington, D.C. 20036)

7-12. Experimental Medicine and Surgery in Primates, 2nd conf., New York, N.Y. (J. Moor-Jankowski, New York Univ. Medical Center, 550 First Ave., New York 10016)

8-9. Symposium on Turbulence Measurements in Liquids, Rolla, Mo. (G. K. Patterson, Dept. of Chemical Engineering, Univ. of Missouri, Rolla 65401)

8-10. Agriculture Meteorology Conf., 9th, Seattle, Wash. (R. J. Hanks, Dept. of Soils and Meteorology, Utah State Univ., Logan 84321)
8-10. Metallurgy and Materials Science,

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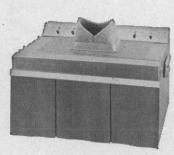


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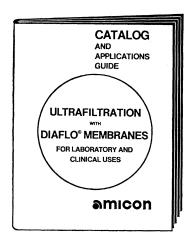
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intern. conf., Philadelphia, Pa. (G. R. Belton, School of Metallurgy and Materials Sciences, Univ. of Pennsylvania, Philadelphia 19104)

8-10. Standards Engineers Soc., 18th annual, Washington, D.C. (J. M. Ward, 11208 Long Pine Trail, Potomac, Md. 20857)

8-11. Electrical Insulation Conf., 9th, Boston, Mass. (H. P. Walker, Code 6158D, Naval Ship Engineering Center, Washington, D.C. 20360)

8-12. **Dietetics**, 5th intern. congr. (American Dietetic Assoc., 52nd annual), Washington, D.C. (Public Relations, The Association, 620 N. Michigan Ave., Chicago, Ill. 60611)

8-12. American Soc. of Limnology and Oceanography, La Jolla, Calif. (G. H. Lauff, W. K. Kellogg Biological Station, Michigan State Univ., Hickory Corners, 49060).

8-13. High Energy Physics and Nuclear Structure, intern. conf., New York, N.Y. (S. Devons, Dept. of Physics, Columbia Univ., New York 10027)

9-10. Society of Logistics Engineers, 4th annual, Cape Canaveral, Fla. (G. Dill, Aerospace Services Div., Pan American World Airways, Inc., Patrick AFB, Fla. 32925)

11-12. Symposium on Sulphur in Nutrition, Corvallis, Ore. (J. E. Oldfield, Dept. of Animal Science, Oregon State Univ., Corvallis 77331)

14-17. Association of Medical Illustrators, Washington, D.C. (B. J. Melloni, AMI, Georgetown Univ., Washington, D.C. 20007)

14-20. College of American Pathologists and American Soc. of Clinical Pathologists, joint annual mtg., Chicago, Ill. (O. Neibel, CAP, 230 N. Michigan Ave., Chicago 60601)

15-17. Woodhandling, 2nd symp., Otta-

15-17. Woodhandling, 2nd symp., Ottawa, Ont., Canada. (Technical Section, Canadian Pulp and Paper Assoc., 2280 Sun Life Bldg., Montreal 110, P.Q.)

17-19. American Science Film Assoc., Washington, D.C. (B. J. Melloni, ASFA, Georgetown Univ., Washington, D.C. 20007)

17-19. Blood and Tissue Antigens, intern. symp., Ann Arbor, Mich. (D. Am'noff, Simpson Memorial Inst., Univ. of Michigan, Ann Arbor 48104)

17-19. Industrial Research, 5th natl. conf., Chicago, Ill. (V. J. Danilov, Industrial Research Bldg., Beverly Shores, Ind. 46301)

18-20. Chemical Marketing Research Assoc., Lake Placid, N.Y. (P. E. Levesque, FMC Corp., 633 Third Ave., New York 10017)

18-20. Symposium on Coniferous Forests of the Northern Rocky Mountains, Missoula, Mont. (Center for Natural Resources, Univ. of Montana, Missoula 59801)

21-24. American Assoc. of Medical Clinics, New York, N.Y. (E. M. Wurzel, Executive Director, The Association, 421 King St., Alexandria, Va. 22314)

21-24. Petroleum Mechanical Engineering Conf., Tulsa, Okla. (H. E. Broadbent, Atlantic Richfield Co., P.O. Box 8138, Philadelphia, Pa. 19101)

21-25. Comparative Leukemia Research, 4th intern. symp., Cherry Hill, N.J. (R. M. Dutcher, School of Veteri-

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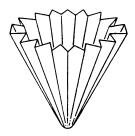
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nary Medicine, Univ. of Pennsylvania, New Bolton Center, Kennett Square 19348)

22-24. National Conf. on Packaging Wastes, San Francisco, Calif. (M. Li, Food Protection and Toxicology Center, Univ. of California, Davis 95616)

22-26. International Simulation and Training Conf., Montreal, Canada. (W. I. Marble, SAE Hq., Meetings Manager, Pennsylvania Plaza, New York 10001)

2 Pennsylvania Plaza, New York 10001) 23-25. Physics and Nondestructive Testing, 9th annual, Chicago, Ill. (W. J. McGonnagle, Symp. Coordinator, P.O. Box 554, Elmhurst, Ill. 60126)

24-26. IEEE Ultrasonics Symp., St. Louis, Mo. (D. I. Bolef, Inst. of Electrical and Electronics Engineers, Ultrasonics Symp., Dept. of Physics, Washington Univ., St. Louis 63130)

26-3. American Acad. of General Practice, Philadelphia, Pa. (M. F. Cahal, The Academy, Volker Blvd. at Brookside, Kansas City, Mo. 64112)

28-1. Society of **Petroleum Engineers** of AIME, 44th annual, Denver, Colo. (J. R. Dempsey, Northern Natural Gas Co., P.O. Box 308, Omaha, Neb. 68102)

29-1. International Conf. on Bioelectrical Impedance, New York, N.Y. (S. E. Marovich, The Conference, 1150 NW 14th St., Miami, Fla. 33136)

29-3. American Soc. of **Photogram-metry**, Portland, Ore. (L. P. Jacobs, 105 N. Virginia Ave., Falls Church, Va. 22046)

Foreign Meetings

September

1-4. International Soc. of Geographical Pathology Conf., Jerusalem, Israel. (I. S. Levij, Dept. of Pathology, Hebrew Univ., Hadassah Medical School, P.O. Box 1172, Jerusalem)

1-5. British **Pharmaceutical** Conf., Belfast, Northern Ireland. (Secretary, The Conference, 17 Bloomsbury Sq., London, W.C.1, England)

1-5. International Soc. of Neurochemistry, 2nd, Milan, Italy. (R. Paoletti, Scientific Secretary, Inst. of Pharmacology, Univ. of Milan, via Andrea del Sarto 21, 20129 Milan)

1-5. Phenomena in Ionized Gases, 9th intern. conf., Bucharest, Rumania. (E. Badareu, Inst. of Physics, Acad. of Science, Bucharest, Rumania)

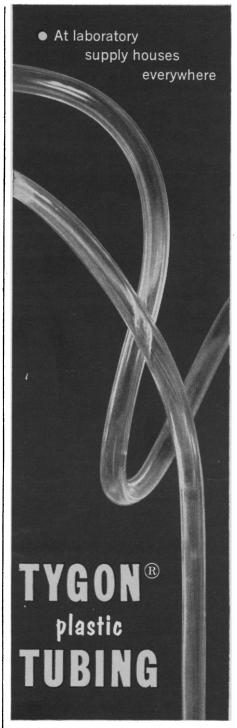
1-10. Non-Linear Continuum Theories in Mechanics and Physics and Their Applications, Padua, Italy. (D. H. Rivlin, Scientific Director, Center of Applied Mathematics, Lehigh Univ., Bethlehem, Pa. 18015)

1-12. International Assoc. of Geomagnetism and Aeronomy, Madrid, Spain. (P. A. Romana, Observatoire del Ebro, Apdo 9, Taratosa, Spain)

1-19. Geophysical Fluid Dynamics, Bangor, N. Wales. (G. E. R. Deacon, Natl. Inst. of Oceanography, Wormley, Godalming Surrey, United Kingdom)

2-4. Hyperbaric Medicine, 4th intern. congr., Sapporo, Japan. (T. Iwa, Dept. of Thoracic and Cardiovascular Surgery, Sapporo Medical College and Hospital, So. 1. West 16, Sapporo 060)

3-11. International Assoc. of Statistics in Physical Sciences, London, England.



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