

parative atherosclerosis. However, the conference did lack papers on the many other species, comparative histology, and various experimental approaches.

In analyzing the results of the meeting, three summaries must be noted: the "comparison of spontaneous animal and spontaneous human lesions" (Wissler), the "comparison of experimental animal and spontaneous human atherosclerosis" (McGill), and the "charge for the future" (McMillan).

In discussions on terminology it was noted that a lesion should not be labeled "early" because of its small size or its morphologic appearance. Conversely, a lesion should not be called "advanced" because of its character. There is much doubt about time relationships. The terms "spontaneous" and "experimental" may be used only if one is aware that they are but convenient substitutes for the correct designations of alterations, such as "unintentional" and "intentional." Many of the defects described, whether as chance findings or as experimental, do not warrant the designation of "atherosclerosis." Thus, it may be advisable to change the name of the atlas from "Comparative Atherosclerosis; Spontaneous and Experimental" to "Comparative Arteriopathies; Unintentional and Intentional."

The meeting was sponsored by the Council on Arteriosclerosis of the American Heart Association and by the Los Angeles County Heart Association. It was supported by the National Heart Institute of the National Institutes of Health. Proceedings of the conference will be published in the near future and will include coverage of 26 formal lectures and seven discussion periods.

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## Surface Contamination

Broad areas of interest related to redispersible and evaporable contaminants, including radioactive, biological, chemical, and abrasive contaminants were covered at the first international symposium on surface contamination, held in Gatlinburg, Tennessee, 8-12 June 1964. Coverage was confined to contamination of limited areas—for example, rooms or other semi-isolated environments.

There were about 170 registrants;

about 20 foreign participants attended and were primarily from the United Kingdom and France. Professionally the participants represented several fields, including engineering, health physics, and chemistry. The sessions on fundamentals dealt with aerosol physics, surfaces, adhesion-redispersion, and transport and deposition. The session on surfaces was concerned primarily with adsorption at gas-solid interfaces. S. Ross (R.P.I.) described the adsorption of neopentane gas by solid adsorbents carrying thin films of non-volatile oils. The volume of adsorbed gas per unit volume of liquid film increased as film thickness decreased. J. F. Pudvin (Bell Labs) reported on a modified condensation method and a contact angle measurement method for detecting surface contamination by hydrophobic films. The wetting of clean metal surfaces required the presence of an oxide film; gold surfaces which possessed no such film were hydrophobic. Measurements of the evaporation of thin oil films from contaminated surfaces have been made by J. L. Anderson (Space Research, Inc.). The rate of evaporation was determined by labeling the film material with  $C^{14}$  and placing a counter window above the surface. Films evaporated more rapidly from dirty surfaces than clean surfaces.

G. B. Morgan (University of Florida) reported on the adsorption of radioisotopes on materials commonly used in the laboratory handling of solutions. Neoprene in particular showed high adsorptivity for all of the isotopes studied. Polyethylene and polypropylene were recommended as vessel materials.

In experiments on the adhesion and redispersion of particles at surfaces, Fish and co-workers (ORNL) sonically vibrated a surface over which glass beads, 16 microns in diameter, were dispersed. The equipment was of a type used previously by Deryagin, but his results could not be reproduced. K. Stewart and I. S. Jones, of the United Kingdom, and Fish and co-workers reported measurements of empirical resuspension factors. These measurements relate air concentrations of radioactivity (in microcuries per cubic meter) to surface activities (in microcuries per square meter) indoors. Friedlander and Pasceri described the use of a rotating disk for the diffusional sampling of particles in the range from 70 Å to 0.1 micron in diameter. The particle size distribu-

tion function for particles in room air showed a maximum at about 0.03 micron diameter, but the maximum changed with time.

The meeting was sponsored by the American Association for Contamination Control (AACC), the Health Physics Society, and Oak Ridge National Laboratory. Proceedings of the symposium will be published at a later date.

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## Forthcoming Events

### September

8-10. **Gas Chromatography**, 5th intern. symp., Brighton, England. (Organizing Office, 61 New Cavendish St., London, W.1, England)

8-10. **Nonsteroidal, Antiinflammatory Drugs**, intern. symp., Milan, Italy. (S. Garattini, Istituto di Ricerche Farmacologiche "Mario Negri," Via Eritrea 62, Milan)

9-11. **Applied Spectroscopy and Analytical Chemistry**, 11th symp., Ottawa, Ontario, Canada. (Chemical Inst. of Canada, 48 Rideau St., Ottawa 2)

9-11. **Kinetics of Pyrolytic Reactions**, Ottawa, Ontario, Canada. (K. J. Laidler, Dept. of Chemistry, Univ. of Ottawa, Ottawa 2)

9-11. **European Organization for Quality Control**, 8th conf., Baden-Baden, Germany. (Secretariat, Weena 700, Rotterdam 3, Netherlands)

9-11. **International College of Surgeons**, North American Federation, congr., Chicago, Ill. (Secretariat, 1516 Lake Shore Dr., Chicago 60610)

9-12. **Society of General Physiologists**, Woods Hole, Mass. (R. Milkman, Dept. of Zoology, Syracuse Univ., Syracuse, N.Y. 13210)

9-12. **American Political Science Assoc.** annual, Chicago, Ill. (The Association, 1726 Massachusetts Ave., NW, Washington, D.C. 20036)

10-13. **General Practice**, 6th intern. congr., Salzburg, Austria. (K. Engelmeier, Intern. College of Medical Practice, Lange Str. 21a, 474 Oelde, Germany)

11-12. **Diseases Common to Animals and Man**, annual West-Northcentral conference, Omaha, Nebr. (N. G. Miller, College of Medicine, Univ. of Nebraska, Omaha 5)

11-12. **Scandinavian Neurosurgical Soc.**, 18th annual, Oslo, Norway. (K. Kristiansen, Neurosurgery Dept., Ullevål Sykehus, Oslo)

11-14. **German Soc. of Metallurgy and Mining**, general assembly, Hanover. (Gesellschaft Deutscher Metallhütten und Bergleute, Paul-Ernststr. 10, Clausthal-Zellerfeld, Germany)

13-16. **Electrical Insulation**, conf., New York, N.Y. (J. Lenkey, Anaconda Wire