

CURRICULUM VITAE

Homer McArthur Cole

Residence: 11431 Marsden Rd.
Chester, Va. 23831

Home Phone: (804) 748-3190

Personal Data:

Born: January 3, 1944
United States Citizen
Excellent Health

Married
3 Children

Educational Record:

M.S.P.H., Air Pollution & Industrial Hygiene, School of Public Health,
University of North Carolina, 1971
Thesis: Application of Several Particle Sizing Techniques in Evaluating
the Andersen Stack Sampler
B.A., Biology, St. Andrew's Presbyterian College, Laurinburg, N.C., 1966

Professional Societies:

American Industrial Hygiene Association; Central Va. Sec., AIHA
American Academy of Industrial Hygiene - C.I.H.
American Society for Testing & Materials - E-34 Committee
American College of Toxicology

Honors:

Occupational Health Traineeship, 1970-1971
Student Representative to the Department of Environmental Sciences
and Engineering

Employment History:

1975 to REYNOLDS METALS COMPANY, Richmond, Virginia.
Present

Director of Industrial Hygiene - responsible for planning, implementation and maintenance of occupational health programs to eliminate or control occupational hazards and disease within Reynolds Metals Company, i.e., hearing conservation, materials screening, employee training, etc.; periodically conduct industrial hygiene surveys of manufacturing and laboratory operations, to assess the exposure of employees to environmental hazards and evaluate the effectiveness of controls being utilized; advise line staff functions on applicable laws, codes, and other regulations pertaining to occupational health matters and their impact on company operations; obtain and disseminate information on potential environmental health problems, proposed state or federal regulations and control procedures relating to materials utilized within the company; serve on the Environmental Control Committee and represent the company in appropriate national and state industrial hygiene organizations; present expert testimony in courts of law, to hearing boards, workmen's compensation commissions, or other regulatory agencies relating to all matters pertaining to

occupational health; assist in conducting epidemiological studies on workers within Reynolds Metals Company; and supervise three full-time industrial hygienists and a consulting toxicologist, as well as field industrial hygienists located at the various company plants.

- 1972 to REYNOLDS METALS COMPANY, Richmond, Virginia.
1975 Corporate Industrial Hygienist, responsible for assisting in development and implementation of programs to identify and control environmental hazards within the workplace; periodically conduct industrial hygiene surveys of plants as required to assess exposure to environmental hazards and to evaluate effectiveness of controls; maintain liaison with federal, state, and local representatives, so as to be informed of any developments in the field of occupational health; provide expert testimony and technical consultation; assist in the development and implementation of training and monitoring programs for field industrial hygienists at plant locations.
- 1972 UNIVERSITY OF NORTH CAROLINA, Dept. of Environmental Sciences and Engineering, Chapel Hill, North Carolina.
Research Associate: Principal Industrial Hygienist and Laboratory Director for Occupational Health Study of Rubber Industry. Responsibilities included direction and supervision of industrial hygiene laboratory, to include 6-12 technicians (Master's level and lower) in field, as well as laboratory procedures; recruit and train technicians; select analytical methods and equipment; plan, coordinate, and supervise the collection and analysis of environmental samples; evaluate employee exposure to toxic substances and physical agents; recommend corrective action. Also, preparation and instruction of laboratory courses in Applied Toxicology and Physiology, Industrial Hygiene Practices, Laboratory Problems, Mechanics of Aerosols, and Electron Microscopy.
- 1966 to UNIVERSITY OF NORTH CAROLINA, Dept. of Environmental Sciences and
1971 Engineering, Chapel Hill, North Carolina.
Research Assistant, responsible for the direction and supervision of inhalation toxicology research projects involving the exposure of laboratory animals to low levels of sulfur dioxide and particulates (See Publications). Duties included supervision of all laboratory aspects of the project (up to 10 employees); planning sampling and monitoring programs; development of new laboratory techniques as required; preparation of guides for care of research animals; preparation of technical reports and data analyses as required; and report to principal investigator. Also, consultative responsibility for field industrial hygiene studies in a variety of manufacturing plants, i.e. tobacco, fiberglass, electrical assembly, and brick; selection of analytical methods; extensive stack sampling; preparation and instruction of laboratory courses in Industrial Hygiene, i.e. Applied Toxicology, Physiology, Industrial Hygiene Practices, Mechanics of Aerosols, and Electron Microscopy.

Page Three
Curriculum Vitae
Homer McArthur Cole

1965 to ST. ANDREW'S PRESBYTERIAN COLLEGE, Laurinburg, North Carolina.
1966 Laboratory Assistant, responsible for preparation and instruction
in laboratory courses in biology and ecology. (Also, tutoring)

Publications and Papers

- Nachtman, J. P., Couri, D., Irby, E. C., and Cole, H. M.: Air and Ventilation Control of Solvent Exposure in a Switch Assembly Plant. Presented at AIHA Conference, Los Angeles, Calif., May 7-12, 1978. (Accepted for publication AIHA J.).
- Cole, Homer M.: Industrial Hygiene Experience in the Aluminum Reduction Plant; Editor: J. P. Hughes, M.D., Health Protection in Primary Aluminium Production, I.P.A.I., London, 1977.
- Reist, Parker C., and Cole, Homer M.: A Simple Procedure for the Routine Testing of Respirator Sorbents, AIHA J., 33:523, 1972.
- Fraser, D. A., Battigelli, M. C., and Cole, H. M.: Ciliary Activity and Pulmonary Retention of Inhaled Dust in Rats Exposed to Sulfur Dioxide. J. Air Poll. Contr. Assoc., 18:821, 1968.
- Battigelli, M. C., Cole, H. M., Fraser, D. A., and Mah, R. A.: Long Term Effects of Sulfur Dioxide and Graphite Dust on Rats. Arch. Env. Health, 18:607, 1969.
- Battigelli, M. C., Fraser, D. A., and Cole, H. M.: Microflora of the Respiratory Surface of Rodents Exposed to "Inert" Particulates. Arch. Intern. Med., Vol. 127, June 1971.
- Battigelli, M. C., Fraser, D. A., and Cole, H. M.: Experimental Studies on Sulfur Dioxide Toxicity. Paper presented at the AMA Pollution Research Conference, Roosevelt Hotel, New Orleans, La., October 6, 1970.
- Cole, H. M.: Continuous Exposure of Hamsters to 50 PPM Sulfur Dioxide. Paper presented at the South Atlantic Section of the Air Pollution Control Assoc., Carolina Inn, Chapel Hill, N. C., June 2, 1969.
- Battigelli, M. C., Fraser, D. A., and Cole, H. M.: Effects on the Microflora of the Respiratory Surface by Prolonged Inhalation of "Inert" Particulates. Presented at the Pollution and Lung Biochemistry Symposium, June 5, 1970. Richland, Washington.
- Cole, Homer M.: Industrial Hygiene Requirements of an Aluminum Reduction Plant. Presented at the Int'l. Primary Aluminium Institute's Health Protection Seminar, W.H.O., Copenhagen, Denmark, June 28-30, 1977.
- McCallum, James T., Jr. and Homer M. Cole: The Audiologist in Industry; Presented at NOISEXPO '79, Chicago, February 1979.
- Cole, Homer M., Benton, R. E., and Skalsky, H. L.: Pulmonary Fibrosis in an Aluminum Arc Welder: A Complex Issue, Chest, 1982. Vol. 83, p. 291-292, February 1983.