

- Professor of Chemistry Arthur B. Robinson. Dr. Robinson is well known to the readers of this newsletter. He graduated from the California Institute of Technology and the University of California at San Diego. He served on the faculty of that University until co-founding the Institute of Orthomolecular Medicine which became the Linus Pauling Institute. He became President and Research Director of the Linus Pauling Institute. With his wife Laurelee, he founded the Oregon Institute of Science and Medicine in 1981. His research interests include fundamental research in protein chemistry and aging and applied research on techniques of blood and urine analysis and nutrition and preventive medicine.

In addition to the carbon dioxide laboratory and theoretical work, we hope to soon resume work on the profiling of human health by means of urine and blood analysis followed by computerized pattern recognition. Laurelee and I and our co-workers did much of the original work in this field before we came to Oregon.

Currently Carl Boehme is building the computer systems for this profiling work and adapting the profiling software from our earlier work to new computer technology. Soon he will have completed the provision of lab automation and calculation systems for this project. We still lack, however, resources to purchase parts for construction of the analytical machines themselves.

Dr. Kamen has suggested some additional experiments for the carbon dioxide laboratory; Dr. Merrifield has offered to help with the initiation of work on peptides and protein turnover and aging; Dr. Westall has several ideas for work on autoimmune disease; Dr. Orient is interested in some potential medical experiments; and Carl Boehme stands ready to computerize anything we decide to do.

With these talented people and with our laboratory facility recently enhanced by donations from the Manly Foundation for materials and the work of many volunteers – especially the remarkable families of carpenters, loggers, and farmers from the Midwest who made several trips here to build new laboratory rooms and enhance the facility, the Institute's prospects for an expanded and worthwhile research program are excellent.

Building a research laboratory is very much a bootstraps project. Until one has found sufficient resources to do high quality work, it is difficult to do the high quality work that is required to attract those resources. At present, the long-term carbon dioxide experiments are the primary efforts that are being conducted in the Institute's laboratories. Our other experimental projects are in various stages of development.

CARBON DIOXIDE

Experiments on carbon dioxide and the health and longevity of animals are going along smoothly in the special laboratory built for that purpose here. Four rooms at different carbon dioxide levels are under computer control with numerous safety features to assure constant atmospheres throughout the two to three year duration of the study.