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Sargent

Donner Laboratory

Annual Bibliography Supplement

Period Covered: July 1, 1972 through June 30, 1973

Name: Thornton Sargent

I Research Activity and Publications

A Summary of Principal Research Activities During Year:

1. Continuing study of oral iron absorption in anemias, polycythemias, Hemochromatosis patients and their families.
2. Whole-body turnover and organ kinetics of ^{51}Cr in hemochromatosis.
3. Continuing long-term study of ^{40}K and lean body mass in patients with [illegible] disease and chromaphobe adenoma.
4. Outside and emergency monitoring of employees and referrals for radionuclide contamination.
5. Study of the decarboxylation of ^{14}C-carboxyl Dopa using the $^{14}CO_2$ respiration-pattern analyzer in:
   a) Patients with schizophrenia and normal subjects.
   b) Rats, comparing intravenous and intraventricular routes and the effects on decarboxylation of various inhibitors.
6. Synthesis of a suspected metabolite of schizophrenia, 2,4,5-trimethoxyphenylthylamine, with ^{14}C at specific sites appropriate for $^{14}CO_2$ respiration pattern analysis.
7. Human in vivo localization, whole-body loss rate, and metabolis of a ^{82}Br labeled brain active analog, 4-Br-2,5-dimethoxyphenylisopropylamine.

B Journal Articles, Book Chapters, etc., Published During Year:

[illegible] L, DOBSON [illegible], MIKURIYA D, FISH MB, and POLLYCOVE M. Alteration in methionine metabolism of leukocytes in schizophrenia. Journal of Psychiatric Research, submitted.

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Professional Activities

A. Invited Lectures, Papers Presented at Meetings, and Similar Activities

2 Nov 72: University of California, San Francisco, Nuclear Medicine Seminar, "Whole-body Counting: current techniques and applications".

2[illegible] Oct 72: Grand Rounds, Palo Alto Veterans Administration Hospital, "[illegible] Absorption in Neurobrucellosis".

B. Service to Professional Societies, Professional Journals, Government Agencies.

C. Collaborative Research

Human in vivo studies of ^{82}Br-2,5-dimethoxyphenethylamine, with Prof. Dr. D. [illegible], visiting; Professor of Pharmacology at the Institute of Pharmacology, University of Bonn, West Germany.

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