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Rex Lamar Huff, M. D.

MAR 29 1951

BIOGRAPHICAL DATA

High School - Madison Twp. Wakarusa, Indiana
College - Purdue University, West Lafayette, Indiana

Major Field

- (a) Pharmacy - B.S. - 1941
- (b) Education - High School Teachers License in Biology and Chemistry
- (c) Pre-Med.

Phi Kappa Psi - Honorary Pharmaceutical Fraternity

Work - Summer 1941 - Assistant Manager, Hooks Drug Store, South Bend, Ind.

Medical School - Indiana University School of Medicine, M.D. 1944

Student Instructor - Pharmacology

Phi Beta Pi - Medical Fraternity (President)

Second Prize - Senior Medical Library Research Paper

Graduated in upper fifth of class scholastically

Clerkship - (3 mo. of 1944) Lilly Clinic for Medical Research, Indianapolis City Hospital, Indiana; Director - Irvin Paige

Rotating Internship - Indianapolis City Hospital, Indianapolis, Indiana (Ended October 1945)

Army of the United States - October 1945

Assignments

Industrial Physician for Manhattan District. (a) Three months training course at various sites - Oak Ridge, Chicago, Los Alamos, Alamogordo and Berkeley

(b) Bikini - 4 months

(c) Hunters Point - 1 month

(d) Oak Ridge - 3 months

(e) Berkeley - 3 months

Permanente Foundation Fellow at Donner Laboratory - July 1947-48

A.E.C. Post Doctorate Fellow - Donner Laboratory, Nov. 1948 - July 1950.

Expedition to Peruvian Andes (High Altitude Physiology) : *1949*

Current

Research Associate - Division of Medical Physics, University of California

Co-Director, Health Physics Program, Radiation Laboratory, University of California

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Publications

1. Van Dyke, D. C., Huff, R. L., Evans, H. C. The Efficiency of the Bascular Union in Parabiobiosis - Stanford Med. Bulletin, Vol. 6, No. 1, Feb. 1948.
2. Berlin, N. I., Huff, R. L., Van Dyke, D. C., Hennessey, T. G. Blood Volume of the Adult Rat, as determined by Fe 59 and P 32 Labelled Red Cells. Proc. Soc. Exper. Biol. Med. 71:176-178, (1949).
3. Huff, R. L., Van Dyke, D. C., Trautman, R. The Nature of Exchange in Parabiobiotic Rats. American J. Physiology, Vol. 161, No. 1, April 1950.
4. Van Dyke, D. C., Huff, R. L. Expilation in the Non-Irradiated Member of Parabiobiotically United Rats. Proc. Soc. Exper. Biol. Med. 72:266, 1949.
5. Hennessey, T. G., Huff, R. L. Depression of Tracer Ion Uptake Curve in Rat Erythrocytes Following Total Body X-Irradiation. Proc. Soc. Exper. Biol. Med. 73:436, 1950.
6. Huff, R. L., Bethard, W. F., Garcia, J. F., Roberts, B. M., Jacobson, L. O., and Lawrence, J. H. Tracer Iron Distribution Studies in Irradiated Rats with Lead Shielded Spleens. J. of Lab. Clin. Med. 36:40 (July) 1950.
7. Huff, R. L., Hennessey, T. G., Austin, R. E., Garcia, J. F., Roberts, B. M., and Lawrence, J. H. Plasma and Red Cell Iron Turnover in Normal Subjects and in Patients Having Various Hematopoietic Disorders. J. of Clin. Invest. 29:1041, (Aug.) 1950.
8. Berlin, N. I., and Huff, R. L. Iron Turnover Studied in Rats Having Cobalt Produced Polycythemia. J. of Biol. Chem. 188:2 (Feb.) 1951.
9. Mills, H., Huff, R. L., Krupp, M. A., Garcia, J. F. Hemolytic Anemia Secondary to a Familial (Hereditary) Defect in Hemoglobin Synthesis. A.M.A. Arch. Int. Med. 86:711, (Nov.) 1950.

Papers in Press

1. ~~Van Dyke, D. C., and Huff, R. L.~~ The Life Span of Leucocytes in Irradiated Parabiobiotic Rats. Am. J. Physiol.

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3. ~~Huff, R. L., Lawrence, J. H., Siri, W. E., Wasserman, L. R., and Hennessey, T. G.~~ Effect of Changes in Altitude on Hematopoietic Activity. *Medicine*.
4. ~~Garcia, J. F., Van Dyke, D. C., Huff, R. L., Elmlinger, P. F., and Oda, J.~~ Increase in Circulating Red Cell Volume in Normal and Hypophy Sected Rats Treated with ACTH. *Proc. Soc. Exper. Biol. and Med.*
5. ~~Lawrence, J. H., Huff, R. L., Siri, W. E., Wasserman, L. R., and Hennessey, T. G.~~ A Physiological Study in the Peruvian Andes. *Acta Medica Scandinavia*.

Papers to be Submitted for Publication

1. ~~Huff, R. L., Elmlinger, P. F., Garcia, J. F., Oda, J., Cockrell, M. S., and Lawrence, J. H.~~ In Vivo Fe^{59} Studies in Normal Subjects and in Patients Having Various Hematopoietic Disorders.

Lectures

1. Pre-Med. Society, University of California. Medical Aspects of Atomic Energy. 1948.
2. American Society for Clinical Investigation, Atlantic City, April 1949. Iron Metabolism.
3. University of Chicago Medical School (Junior Class), December 1950. Iron Metabolism.
4. American Society for Clinical Investigation, ^{*Atlantic City*} April 1951. Ferrokinetics in Normal Subjects and in Patients Having Various Hematopoietic Disorders.