



DEFENSE NUCLEAR AGENCY
ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE
BETHESDA, MARYLAND 20814

Regional Administrator
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

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APR 19 1985

Dear Sir:

This letter is to request that our Byproduct License # 19-08330-02 be amended to reflect the assignment of James J. Conklin, Colonel, USAF, MC as Director of the Armed Forces Radiobiology Research Institute (AFRRI) effective 1 April 1985 (this information also provided by April 1 1985 letter from AFRRI Reactor Facility Director).

Please change condition 12 to reflect that CDR Richard I. Walker has been appointed by the Director, AFRRI as Chairman of the Radionuclide and X-ray Safety Committee. A copy of CDR Walker's training and experience is enclosed.

Sincerely,

Naresh K Chawla

Enclosure:
as stated

NARESH K. CHAWLA, Ph.D.
Head, Radiation Safety Department

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CURRICULUM VITAE

NAME:	Richard I. Walker	July 1984
	CDR, MSC, USN	
POSITION:	Microbiologist	
DATE OF BIRTH:	2 November 1942	
EDUCATION:	1965 B.S. Biology, Texas Christian University	
	1968 M.S. Biology, Texas Christian University	
	1973 Ph.D. Microbiology, University of New Hampshire	
PROFESSIONAL EXPERIENCE:	1965-1967 Laboratory Instructor Biology Department Texas Christian University Fort Worth, Texas	
	1967-1968 Research Assistant in Oceanography and <u>Staphylococcus</u> research laboratories Texas Christian University, Fort Worth, Texas	
	1968-1969 Microbiologist U.S. Naval Radiological Defense Laboratory San Francisco, California	
	1969-1971 Head, Bacteriology Division Naval Medical Research Unit No. 2 Taipei, Taiwan	
	1971-1973 Duty under instruction Microbiology Department University of New Hampshire Durham, New Hampshire	
	1973-1978 Microbiologist Armed Forces Radiobiology Research Institute Bethesda, Maryland	
	1978-1979 Microbiologist Naval Medical Research Institute Bethesda, Maryland	
	Jan 1980- July 1980 Head, Enteric Disease Division, NMRI	
	July 1980- Oct 1982 Head, Medical Microbiology Branch, NMRI	
	Oct 1982- July 1984 Deputy Director, Infectious Diseases Program Center, NMRI	
	July 1984- Present Deputy Director, Armed Forces Radiobiology Research Institute, Bethesda, MD	

PROFESSIONAL
AFFILIATIONS:

Member

Phi Sigma Society, Society of Sigma Xi
American Society for Microbiology
Gnotobiology Society
Shock Society
Association of Military Surgeons of the
United States
Campylobacter Society
Society for Intestinal Microbial Ecology and
Disease

HONORS:

Sigma Xi award as outstanding undergraduate in
Biology (Texas Christian Univ.)
Phi Sigma award as outstanding graduate student
in Biology (Texas Christian Univ.)
Selected as outstanding graduate student in
Microbiology (Univ. of New Hampshire)
Awarded Joint Services Commendation Medal
Appointed as lecturer-consultant to Naval
Dental Research Institute, Great Lakes, IL
Appointed as mentor for postdoctoral students
by the National Science Foundation

PUBLICATIONS:

(1) Published manuscripts:

- Walker, R. I., and Silverman, M. J. The effects of low dose rate Co⁶⁰ radiation on susceptibility of mice to respiratory infection with Klebsiella pneumoniae. USNRDL TR-69-85, 1969.
- Walker, R. I., and Shipman, W. H. Isolation of ammonia from biological contaminants by use of zirconium phosphate cation exchanger. USNRDL TR-69-87, 1969, and J. Chrom., 50:151-160, 1970.
- Walker, R. I., Sharp, M. S., Larsen, S. P., and Lyles, S. T. Alterations in protein and carbohydrate metabolism of infected chick embryos. Tex. Rep. Biol. Med. 28:133-143, 1970.
- Sharp, M. S., Larsen, S. P., Walker, R. I., and Lyles, S. T. Alterations in protein and carbohydrate metabolism of infected chick embryos. Tex. Rep. Biol. Med. 28:105-114, 1970.
- Walker, R. I., Sharp, M. S., and Lyles, S. T. Lipoproteins in Staphylococcus aureus infected chick embryos. Tex. Rep. Biol. Med. 29:581-584, 1971.
- Walker, R. I., Scott, R. H., Sharp, M. S., and Lyles, S. T. Amino acid and nitrogen metabolism in chick embryos infected with S. aureus or V. cholerae. Tex. Rep. Biol. Med. 137:282-283, 1972.
- Walker, R. I., and Silverman, M. J. Enhanced resistance to aerosol infection with Klebsiella pneumoniae during recovery from low dose rate Co⁶⁰ gamma radiation. Milit. Med. 137:282-283, 1972.

- Walker, R. I. Detection of an endotoxin-like substance during human plague bacteremia. *Southeast Asian J. Trop. Med. Public Health* 3:221-224, 1972.
- Schaeffer, B. T., Sun, S. C., and Walker, R. I. Experimental cholera produced by choleraogenic filtrates: Localization of toxins by fluorescent antibody techniques. *Chinese J. Microbiol.* 5:27-35, 1972.
- Chen, H. C., Schaeffer, B. T., and Walker, R. I. Experimental cholera produced by Vibrio cholerae and choleraogenic filtrates: light and electron microscopic findings in the small intestine. *Southeast Asian J. Trop. Med. Public Health* 2:322-336, 1972.
- Chesbro, W. R., and Walker, R. I. Detection of staphylococcal nuclease elaborated during lethal infections in mice. *Infect. Immun.* 6:1028-1030, 1972.
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- Walker, R. I., New, A. E., and Wang, W. C. Effects of hypoxic stress on survival times of mice infected with either Staphylococcus aureus or Klebsiella pneumoniae. *Southeast Asian J. Trop. Med. Public Health* 5:1-7, 1974.
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- Walker, R. I., Wilder, M., and Valeri, R. The effect of Staphylococcus aureus and Klebsiella pneumoniae peritonitis on plasma volume and oxygen transport in mice. *Journal of Medicine* 5:113-120, 1975.
- Walker, R. I., Ledney, G. D., and Galley, C. B. Aseptic endotoxemia in radiation injury and graft-vs-host disease. *Rad. Res.* 62:242-249, 1975.
- Galley, C. B., Walker, R. I., Ledney, G. D., and Gambrill, M. Evaluation of biological activity of attenuated endotoxin in mice. *Exp. Hemat.* 3:197-204, 1975.
- Walker, R. I., Moon, R. J., Galley, C. B., Alm, P. F., and Ledney, G. D. Clearance of bacteria and endotoxin in conventional or decontaminated mice undergoing graft versus host disease or radiation-induced injury. *AFRRI* SR75-25, 1975.
- Walker, R. I., and Chesbro, W. R. Klebsiella pneumoniae and Staphylococcus aureus infections in mice: differences in uremia and ammoniogenesis. *Infect. Immun.* 12:571-575, 1975.
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- Snyder, S. L., Walker, R. I., and Moniot, J. V. Protection against endotoxin-induced mortality in mice treated with transition metal salts. *Infect. Immun.* 15:337-339, 1977.
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- Walker, R.I. Effect of endotoxin on platelets. In Cellular Biology of Endotoxin. L. J. Berry (ed.) Elsevier Publ. Co. (in press)
- MacVittie, T., Patchen, M. and Walker, R. I. LPS-induced, dose dependent hematopoietic responses in LPS resistant C3H/HeJ and C57BL/10ScN mutant mice. J. Cell. Physiol. (In press)
- Conklin, J.J. and Walker, R.I. Evaluation and treatment of nuclear casualties: acute radiation syndrome, combined injury and triage. In Medical Effects of Militarily Relevant Ionizing Radiation (J.J. Conklin and R.I. Walker, eds.) (in press).
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- Walker, R.I. and Conklin, J.J. Mechanisms and management of infectious complications of combined injury. In Medical Effects of Militarily Relevant Ionizing Radiation (J.J. Conklin and R.I. Walker, eds.) (in press).
- Brook, I. and Walker, R.I. Interaction between penicillin, clindamycin or metronidazole and gentamicin against species of clostridia and anaerobic and facultatively anaerobic gram-positive cocci. J. Antimicrob. Chemo. (in press).

(2) Publications Editor

Walker, R.I., Gruber, D., MacVittie, T.J. and Conklin, J. Pathophysiology of Combined Injury and Trauma. Armed Forces Radiobiology Research Institute, Bethesda, MD, 1984.

Conklin, J.J. and Walker, R.I. Medical Effects of Militarily Relevant Ionizing Radiation. (in press).

(3) Abstracts

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