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March 31, 1997

U.S. Nuclear Regulatory Commission
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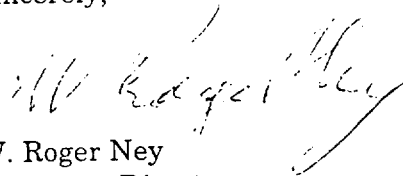
Reference: Grant No. NRC 04 95 086

Dear Sir:

The purpose of this letter is to report on the progress of the work being carried out by Scientific Committee 1-6 of the National Council on Radiation Protection and Measurements on "Linearity of Dose Response" under the above referenced grant. The period covered by this report is October 1, 1996 through March 31, 1997.

If there are questions regarding this progress report please call William M. Beckner at (301) 657-2652.

Sincerely,



W. Roger Ney
Executive Director

WMB/mca

cc: C.B. Meinhold
Alan Roecklein
Mary Thomas
NRC Grant File

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Quarterly Progress Report

NRC Grant 04 95 086

Period covered by this report: October 1, 1996 through March 31, 1997

Activity supported: Scientific Committee 1-6 on Linearity of Dose Response

Total funding: FY 1996-1998 \$225,000

Program outlays to January 31, 1997: \$ 84,842.82

Funds remaining as of April 1, 1997: \$140,157.18

Performance period: October 1, 1995 through September 30, 1998

Narrative:

Scientific Committee 1-6 conducted its third meeting on November 12, 1996 and it will hold its fourth meeting in April of 1997.

The general outline for the Committee's report is as follows:

Section	Drafter	Comment
1. Introduction	Upton	To be written later
2. DNA Repair and Processing after Low Doses and Low Dose Rates of Ionizing Radiation	Painter	Outline provided earlier
3. Mutagenic Effects	Liber Kronenberg	Outline provided earlier
4. Chromosome Aberrations	Preston Adelstein	Outline provided earlier
5. Oncogenic Transformation <i>In Vitro</i>	Hall Brenner	Outline provided earlier
6. Carcinogenic Effects on Laboratory Animals	Clifton Upton	Outline provided earlier

7. Carcinogenic Effects on Human Populations	Shore Finch	Outline provided earlier
8. Interpretation of Adaptive Responses	Committee	To be drafted later
9. Conclusions	Committee	To be drafted later

The Committee has now received 31 separate communications containing information for the Committee's deliberation. In each case, the material provided has been copied and distributed to the full Committee membership except in the case of the submissions from DOE in which case DOE provided copies for each member and the files of the secretariat. These 31 sources of data and information are provided below.

1. Stuart Altman	DOE	Two volumes of reprints and the "International Radiobiology Archives of Long-Term Animal Studies"
2. Victor Archer	Retired	Letter to chairman
3. Elizabeth Balcer-Kibiczek	University of Maryland	Letter to chairman with eight papers
4. Klaus Becker	ISO (Germany)	Letter to chairman with five papers
5. Kenneth T. Bogen	LLNL	Letter to chairman with one paper
6. Walston Chubb	Retired (?)	Letter to chairman
7. Bernard Cohen	University of Pittsburgh	Long letter to chairman with seven papers

8. Diane D'Arrigo	Nuc. Info. & Res. Service	Questions and answers
9. Murray Finkelstein	Ontario Ministry of Labour	Letter to chairman and one paper
10. John Gofman	Committee for Nuc. Resp., Inc.	Two books. Radiation Induced Cancer from Low-Dose Exposure and Preventing Breast Cancer
11. Raymond Gold	Battelle	Letter to chairman with note from "Physics Today" on Hiroshima neutron dosimetry
12. Sohei Kondo	Atomic Energy Res. Inst. (J)	Letter to chairman and two papers
13. Mark Little	NRPB (England)	Letter to chairman and one paper
14. Gerold Looney	McDonnell Douglas	Letter to chairman with three papers
15. M. Lupien	Advisory Com. Radiol. Prot (Canada)	ACRP-18 "Report on Biological Effects of Low Doses of Radiation at Low Dose Rate"
16. T.D. Luckey	Retired	Long letter to chairman with reprints
17. R.E.J. Mitchel	Chalk River Laboratories	Letter to chairman

18. Kenneth Mossman	Arizona State Univ.	Letter to chairman with one paper
19. Otto Raabe	Univ. of CA at Davis	Letter to chairman and fourteen papers
20. Warren Sinclair	NCRP	Letter to chairman
21. Narendra Singh	Environ. & Occ. Healt. Sci. Institute	Letter to chairman with twelve paper
22. Tore Straume	LLNL	Five papers on Japanese Dosimetry
23. Hiroshi Tanooka	Nat. Cancer Cen. Res. Inst. (J)	Letter to chairman with twelve papers
24. Robert G. Thomas	Retired	Letter to chairman
25. John F. Thomson	ANL	Paper on RBE of fission neutrons
26. A.N. Tshaeche	Retired	Letter to president with copy to chairman
27. Dick Vetter	Mayo Clinic (HPS)	HPS position paper and references
28. E. W. Webster	Mass General Hos.	Letter and paper to Committee member
29. Chris Whipple	ICF Kaiser	Notes to chairman
30. Richard Wilson	Harvard	Reprints

A thank you note from Scientific Committee 1 to the scientific community has been sent for publication in the scientific journals that were asked to publish the request for data originally "NCRP Call for Scientific Data." This note also extended the date for the Committee to receive material to June 30, 1997.

At the November 1996 meeting the Committee concluded that holding a scientific hearing or workshop was unlikely to provide significant scientific input to the Committee's deliberations. This issue will be discussed again at the April 1997 meeting.

The membership of Scientific Committee 1-6 is as follows:

Chairman: Upton, A.C.	Liber, H.
Adelstein, S.J.	Painter, R.B.
Brenner, D.	Preston, R.J.
Clifton, K.H.	Shore, R.
Finch, S.C.	Advisor: Kronenberg, A.
Hall, E.J.	NCRP Staff: Beckner, W.M.