

SUPPLEMENTAL AGREEMENT
BETWEEN
BOSTON COLLEGE
AND
THE U. S. NUCLEAR REGULATORY COMMISSION

THIS SUPPLEMENTAL AGREEMENT, effective the 1st day of November, 1979, by and between the UNITED STATES OF AMERICA (hereinafter referred to as the "Government"), as represented by the UNITED STATES NUCLEAR REGULATORY COMMISSION (hereinafter referred to as the "Commission"), and BOSTON COLLEGE (hereinafter referred to as the "Contractor"),

WITNESSETH THAT:

WHEREAS, the parties desire to modify Contract No. NRC-04-74-238 as hereinafter provided, and this supplemental agreement is authorized by law, including the Energy Reorganization Act of 1974, as amended, and the Atomic Energy Act of 1954, as amended.

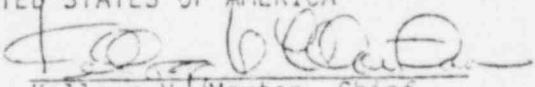
NOW, THEREFORE, said contract is hereby modified as follows:

1. Appendix A, attached to this supplemental agreement and made a part hereof, provides for the research to be performed by the Contractor during the contract period specified therein.
2. In Article II - The Period of Performance, the date "October 31, 1980" is substituted for the date "October 31, 1979".
3. In Article III - Consideration, the sum "\$698,351.00" is substituted for the sum of "\$505,272.00."

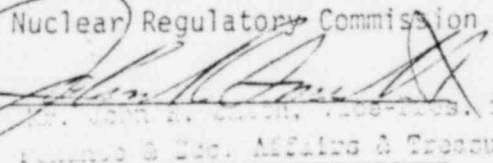
IN WITNESS WHEREOF, the parties have executed this document.

UNITED STATES OF AMERICA

BY:


Kellogg V. Morton, Chief
Research Contracts Branch
(title)

BY:

Nuclear Regulatory Commission

John R. Smith, Vice-President for
Finance & Bus. Affairs & Treasurer
(title)

Boston College

I, Paul A. FitzGerald, S.J., certify that I am the
(attester)
Secretary of the University of the Contractor named
(title)

under this document; that John R. Smith
(signatory)

who signed this document on behalf of said Contractor was then
Vice President for Finance & Business Affairs of said Contractor; that
this document was duly signed for and on behalf of said Contractor by
authority of its governing body and is within the scope of its legal
powers.

IN WITNESS WHEREOF, I have hereunto affixed my hand and the seal of
said Contractor.

Paul A. FitzGerald, S.J.

(SEAL)

CONTRACTOR: WESTON OBSERVATORY OF BOSTON COLLEGE

APPENDIX A

For the Contract period November 1, 1979 through October 31, 1980

Article A-I RESEARCH TO BE PERFORMED BY CONTRACTOR

- (a) The unclassified scope of work under this contract entitled, "A Study of Seismicity and Tectonics in New England" is as follows.

During the term of this contract the following projects will be carried out:

1. Operation of the Weston Observatory Seismograph Network comprising 40 stations.
2. Collection and correlation of data from MI7, New York State and Eastern Canada seismograph networks.
3. Location of earthquake hypocenters based on these data and publication of the results in quarterly bulletins.
4. Refinement of geologic models of New England relating lithologic and velocity structure of the crust and upper mantle to seismic activity and surface geology.
5. Upgrading of the network and redefinition of its detection capability.

- (b) The Principal Investigator expects to devote the following approximate amount(s) of time to the contract work:

100% of his time for 2 months and 10% of his time for 9 months

ARTICLE A-II WAYS AND MEANS OF PERFORMANCE

- (a) Items for which support will be provided as indicated in A-III, below

- | | |
|---|--------------------|
| (1) Salaries and Wages | <u>\$81,025.00</u> |
| (2) Equipment to be purchased or fabricated by the Contractor | <u>\$12,500.00</u> |

- (i) Over \$1,000.00

10-VCO/Discriminator Systems
@ \$1,000.00 ea.

(ii) Under \$1,000.00

2-Discriminator Racks
10-Galvonometers

(3) Travel
 (i) Domestic \$6,800.00
 (ii) Foreign \$ -0-

(4) Other direct costs including fringe benefits.

(5) Indirect costs based on a predetermined rate of 65 percent applicable to salaries and wages.

(b) Items, if any, significant to the performance of this contract, but excluded from computation of Support Cost and from consideration in proportioning costs:

NONE

(c) Time or effort of Principal Investigator(s) including indirect costs and fringe benefits contributed by Contractor but excluded from computation of Support Cost and from consideration in proportioning costs:

10% of his time for 9 months

Article A-III:

The total estimated cost of items under A-II(a) above for the contract period stated in this Appendix A is \$193,079.00; the Commission will pay 100 percent of the actual costs of these items incurred during the contract period stated in this Appendix A, subject to the provisions of Article III and Article B-XXVIII. The estimated NRC Support Cost for the contract period stated in this Appendix A is \$193,079.00.

The estimated NRC Support Cost is funded as follows:

(a) Estimated unexpended balance from prior period(s) \$ -0-
(b) New funds for the current period \$ 193,079.00

(c) The new funds being added in A-III(b) constitute the basis for advance payments provided under Article B-X.