



MEMORANDUM

4/11
Steven ✓ approved
Thanks.
SG

To: Edward T. Foote II, President

From: *SG* Steven Green
Chair, Faculty Senate *SG*

Date: 8 May 2000

Subject: Faculty Senate Legislation #99021(B) - Approval of the Name for the Rosenstiel School of Marine and Atmospheric Science Stable Isotope Laboratory

The Faculty Senate, at its 3 May 2000 meeting, voted to approve the name of a sponsored center, the Rosenstiel School of Marine and Atmospheric Science Stable Isotope Laboratory, for the period of time of continuous funding and any extensions thereafter.

This legislation is now forwarded to you for your action.

SG/kl

cc: Luis Glaser, Provost
Otis Brown, Dean
Peter Swart, Marine Geology and Geophysics

CAPSULE: Faculty Senate Legislation # 99021(B) - Approval of the Name for the Rosenstiel School of Marine and Atmospheric Science Stable Isotope Laboratory

RESPONSE BY THE PRESIDENT: Approved DATE: 5/11/00

OFFICE OR INDIVIDUAL TO IMPLEMENT: Provost

APPROVED: _____

EFFECTIVE DATE OF LEGISLATION: _____

NOT APPROVED AND REFERRED TO: _____

REMARKS (IF NOT APPROVED): _____

file Liza

Agenda Item B4 - 5-3-00 FS mtg.

**Memorandum
December 2, 1999**

TO: Dr. Keir Becker, Vice Chair, Rosensteel School Council
FROM: Dr. Peter K. Swart, Professor, MGG
SUBJECT: Stable Isotope Laboratory

I request that the enclosed proposal to create a Stable Isotope Laboratory be placed on the agenda of the next available Rosensteel School Council Meeting for approval, and then ultimately on to the agenda for the next available UM Faculty Senate Meeting.

The Stable Isotope Laboratory (SIL) is to be established as a sponsored center (Section B6.6 of UM Faculty Manual) for research coordination only. It will neither offer an academic degree, nor teach courses, nor have any academic responsibilities involving curricula.

Stable Isotope Laboratory

A proposal to the Rosensteel School Council and UM Faculty Senate

Mission

The principal mission of the Stable Isotope Laboratory is to promote scientific research into the use of stable isotopes in biological and geological processes.

Laboratory Objectives

The SIL will perform isotopic analyses, support the doctoral research of graduate students, provide research and learning opportunities for undergraduates, and seek funds for interdisciplinary research involving stable isotopes. The laboratory will not develop an academic degree-granting program or teach courses.

Background

The SIL was established in 1985 with the acquisition of a stable isotope mass spectrometer funded by NSF and the University of Miami. Since this time the SIL has acquired two other mass spectrometers. The SIL has expanded into the isotopic analysis of organics and individual organic compounds. Analyses performed in the laboratory have been incorporated into 17 MS and Ph.D. theses at the University of Miami and other Universities. Currently there are six students being supported by the SIL and several others using the facilities. Over 80 publications in peer reviewed journals have resulted from research in the SIL and over 100 abstracts. A list of publications is available at <http://mgs.rsmas.miami.edu/groups/sil/webdoc5.htm>. The SIL has an approximate annual budget of \$300,000.

Staffing

The SIL has current director (Dr. Peter K. Swart) and a staff of four and six graduate students all supported by research grants.

Funding for the Stable Isotope Laboratory

The Stable Isotope Laboratory is funded from a mixture of federal and state agencies as well as contracts from universities and private industry. The annual budget of the Stable Isotope Laboratory in fiscal 1998 was approximately \$200,000. This amount covers the cost of funding the following:

Three technicians

All consumables estimated to be approximately \$25,000 per year

Replacement parts for the mass Spectrometer

New equipment to replace existing instruments