



STRI Newsletter

August 7, 1994

No.31

Tupper Center Seminars

Tuesday, August 16, noon seminar speaker will be Catherine Lovelock, Australian National University.

"Photosynthetic tolerance to freezing and thawing in Artic moss"

Abstract:

1. The frequency of freezing and thawing events in Antarctica appears sensitive to global climate cycles. This study investigated photosynthetic tolerance of endemic moss species to freezing and thawing.

2. A field study showed freezing and thawing caused photoinhibition of photosynthesis (the light induced reduction in the efficiency with which light is used in photosynthesis).

3. Laboratory studies showed that photoinhibition of photosynthesis over multiple freezing and thawing events was reversible.

4. Photoinhibition of photosynthesis during freezing and thawing may be a mechanism by which vital proteins involved in photosynthetic light harvesting are protected from photooxidative damage.

The Newsletter is published to keep the STRI community informed on matters of general interest. We appreciate contributions. Send your news to the Office of Education, c/o María Luz Calderon.



Charles Handley and Elizabeth Kalko gave a talk about the identification of vampire bats to the Quarantine veterinaries at Rio Tapia, Tocumen. Representatives from throughout the Republic of Panama attended. Maria Morello from VSO participated as liaison and interpreter.

People

Arrivals

- Eight students from OTS, Aug 15-18, from the Plant Systematics 94-9 course, to visit BCI.
- Sasha Steiner, University of Costa Rica, Aug 21-25, to study spermatozoan ultra-structure of *Montastraea annularis*, *M. faveolata*, and *M. franski* at Naos and San Blas.
- Gunnar Hirschel, University of Basel, Switzerland, Aug 21-22 Oct, to participate in Dr. Korner's on BCI.

Departures

- A. S. Rand to Nuttingham, U.K., Aug 13-30, to attend the International Behavioral Ecology Congress.
- Francisco Rivera, Aug 14-20, to Virginia to attend course on Internet.

Things You Should Know

At Tupper Center

- Tue, Aug 16** OEC-Poster Meeting, SMR at 8:00 am
- Tue, Aug 16** Noon Seminar, Auditorium
- Thu, Aug 18** Primer Encuentro de Investigaciones Latino Americanas de Ciencias Exactas y Naturales, Conference Room.
- Fri, Aug 19** Corotu Committee Meeting, SMR at 1:30 pm

At Culebra Marine Reserve

- Tue, Aug 16** Instituto Superior Psicopedagógico
- Wed, Aug 17** Los Pastorcitos de Fátima
- Thu, Aug 18** Escuela Hogar Misionero