

SEMINARS - ANCON CONFERENCE ROOM

The noon seminar on Tuesday, DECEMBER 29, will be given by EDWARD SOUTHWICK from the State University of New York. His subject:

Adaptation of Honeybees to a Cold Climate.

ABSTRACT: Natural selection favors the development of eusociality-north temperate zone honeybees (*Apis mellifera* L.). Successful exploitation of habitats into which they have been introduced reveals a remarkable adaptability. In winter conditions, colony survival depends on a complex of interactions by members within the context of the social group. They gather together in large clusters and cooperatively function in homeothermy under conditions of cold stress. Cold-induced heat production is an inverse function of group size, with larger group sizes having lower heat conductance and lower mass specific energy expense. A number of mechanisms of this adaptation will be discussed.

NEXT WEEK

The noon seminar on Tuesday, January 5, will be given by DAVID ZEH from the University of Arizona. His title:

Of Ovipositors, Amnions and Eggshell Architecture: A Role for the Egg Stage in the Diversification of Terrestrial Arthropods.

That afternoon at 4:30 p.m., EGBERT LEIGH will give the first of a series of talks on sexual selection--"Coevolution between Male Secondary Sexual Characters and Female Choice".

ARRIVALS & DEPARTURES

December 26 - Arriving, GENE SCHUPP, from the University of Iowa, to continue studying seedling dynamics on BCI. He will be here until January 20.

December 26 - Arriving, KATHARINE LEYDORF, from the University of California at Berkeley, to work with K. Milton on BCI until January 15.

December 27 - Arriving, ELDRIDGE ADAMS, from the University of California at Berkeley, on a one-year SI postdoctoral fellowship to study behavioral ecology in termites and ants on BCI.

(continued)

December 28 - Arriving, TANIA SANAIOTTI, from the Instituto Nacional de Pesquisas de Amazonia, Brazil, on an Exxon Assistantship to work with K. Sieving. She will be at BCI for two months.

January 1 - Arriving, RICHARD MCBEE and VIRGINIA MCBEE, to review the state of iguana research at STRI and to visit the Iguana Management Project.

ON LEAVE

E. Lombardo, Dec. 28 - 31
L. Motta, Dec. 31 - Jan. 8
L. Polanco, Dec. 28 - 31

THANK YOU MESSAGE

From Roberto Sarmiento, former STRI Librarian, on his going-away gift:

The compact diskplayer is a wonderful gift! STRI will be with me for years to come, from the heaviest Rock, to the coolest Jazz. Through discs my memories of such a grand group of people will always be warm and special. Mis mas sinceras GRACIAS.

NOTICIAS LOCALES

El IV Congreso Científico Nacional se llevó a cabo en la Universidad de Panamá del 2 al 4 de diciembre. De STRI participaron los siguientes conferencistas:

RICHARD COOKE, El Impacto de los Indígenas Pre-Colombinos sobre los Ambientes Terrestres de Panamá: una Actualización de los Datos.

NICHOLAS SMYTHE, Perspectivas para el Paca (*Agouti paca*) como una Nueva Especie Doméstica.

SMALL GRANTS AVAILABLE

As previously reported, the Jessie Smith Noyes Foundation gave Wildlife Conservation International (WCI) funds for a small grants program for conservation scientists. Only Third World biologists from countries with local W.C.I. offices may apply; Panama does not have a branch. However, WCI offers other small grants for which any Latin American scientist may apply. If interested, send a letter briefly describing your project to:

ATTN: Archie Carr III
Assistant Director
or ATTN: Mary Pearl
Wildlife Conservation International
New York Zoological Society
Bronx Zoo, Bronx, New York 10460

CREDIT UNION NEWS

OPEN FOR INCOMING CALLS: 10:00 a.m. to 11:00 a.m. and 1:30 p.m. to 3:00pm

The office will be closed before 10:00 and after 3:00.

PHONE NUMBERS:

- 357-2981: use this number for account balances and general information
- 357-2982: use this number to request checks to be prepared in advance for later pick-up
- 357-2983: use this number for information on loans

LOAN RATES (APR's)

Pledge of Shares 9.0%

Unsecured 17% (48 months repayment)

*Discount rates:

- A) 36 months repayment or less: 16%
- B) Excellent credit rating: 14.5%
- C) 36 months or less and excellent credit rating: 13.5%

New Auto 12% (60 month repayment, \$8,000 or more)

*Discount rates:

- A) 48 months repayment or less: 11%
- B) 48 mths. rep. and less than \$8,000: 10.5%
- C) Excellent credit rating: 10.75% (60 mths.)
- D) 48 months repayment or less and excellent credit rating: 9.75% (\$8,000 or more)
- E) 48 mths. repay. or less, less than \$8,000 and excellent credit rating: 9.25%

Used Auto 14% (48 month repayment, \$6,000 or more)

*Discount rates:

- A) 36 months repay. or less: 13%
- B) 36 mths. rep. or less and less than \$6,000: 12%
- C) Excellent credit rating: 12.5% (48 mths.)
- D) 36 mths. repayment or less and excellent credit rating: 11.5% (\$6,000 or more)
- E) 36 mths. rep. or less, excellent credit rating and less than \$6,000: 11%

Stock secured 13%

Recreational veh. 14% (new)
15% (used)

STRI MINI-BOOKSTORE

The following publications are now for sale at the mini-book store in the Tivoli Building at \$3.00 each.

**EL PARQUE NACIONAL
SARIGUA**

**Un modelo integrado
de gestión
conservacionista**



**LAS AVES DE LAS
SELVAS PANAMEÑAS**

- ESTRATEGIAS DE CONSERVACION -

Dr. FRANCISCO S. DELGADO

