

STRI newsletter

October 2, 1995

SMITHSONIAN TROPICAL RESEARCH INSTITUTE - Apartado 2072, Balboa, Panamá

No. 39

TUPPER CENTER SEMINARS

No noon seminar scheduled for Tuesday, October 3.

PEOPLE

Arrivals

- Carla Penz, University of Texas, Oct 1-1 Nov, to study the molecular systematics of butterflies (Lepidoptera, Nymphalidae), at Naos.

Departures

- Ira Rubinoff, Oct 2-7, to Chicago, Illinois and Washington D.C., on official business.
- Richard Cooke, Oct 2-11, to Cantablanco, Spain, to attend the meetings of the Fish Remains Working Group of the International Council for Archaeozoology.
- Richard Condit, Oct 2-20, to visit the La Planada station in Colombia, and to Ecuador to consult with officials at the PUCE and visit the Yasuni research station.

Back in Panama ••• De Regreso

On Wednesday, Sep 27, Eric Amado González arrived in Panama with both his parents Edilma and Jorge Luis, after a successful kidney transplant in Cali, Colombia. We welcome this courageous family back home and wish them all health and fortune ••• *El miércoles 27 de septiembre regresó a Panamá Eric Amado González con sus padres Edilma y Jorge Luis, luego de un exitoso trasplante de riñón en Cali, Colombia. Les damos una calurosa bienvenida a casa, deseándoles toda salud y prosperidad.*

THINGS TO KNOW

Update from External Affairs

- On Wed, Sep 6, SI Secretary I. Michael Heyman and STRI Director Ira Rubinoff met with Panamanian President Ernesto Pérez-Balladares at the Blair House in Washington D.C., to discuss



Renovation and conditioning of the Ancón facility to house the STRI Center of Paleoeecology and Archaeology is expected to be completed by the beginning of December. The photo shows the already installed glass windows for the Center's offices and laboratories ••• La remodelación y acondicionamiento del edificio de Ancón donde operarán los miembros del Centro de Paleoeecología y Arqueología de STRI se espera completar para principios de diciembre. En la foto se pueden apreciar todas las ventanas de vidrio recién instaladas, para las oficinas y laboratorios del Centro. Foto: M.A. Guerra

issues of mutual interest. Pérez-Balladares presented Heyman with a letter expressing his government's intention to continue supporting STRI presence in Panama beyond the year 2000.

- STRI's exhibit *Parting the Green Curtain* has successfully completed the tour of its 7th country, Perú, and is on its way to Curitiba, Brazil to open at the Universidade Federal do Parana, at the end of next month. The event will be used to publicly acknowledge the recently signed cooperative scientific agreement between STRI and the University, which will facilitate STRI's palaeoecological research program in Brazil. Other researchers interested in participating in the exhibit's opening, please contact Celideth de Leon at Tivoli.
- STRI fellow Victor Bonilla working at our D.C. office will visit our facilities. As a short-term senior policy fellow, Bonilla will assist STRI in developing an overall environmental policy strategy to meet our obligations to international conventions such as CITES, Biodiversity, Climate Change, etc. Bonilla will also be available to assist in the developing of proposals to international organizations to support our efforts to make the results of scientific findings available to policy makers in Latin America. Please contact Elena Lombardo and Stanley Heckadon for meetings with Bonilla during his visit from Oct 10-20th.



From the Mailing Office

De la Oficina de Correos

This is a reminder that, effective Sunday, October 1, the United States Postal Service will not mail nor return to the sender any correspondence bearing the Eagle. We will greatly appreciate your cooperation to this matter ••• *Deseamos recordarles que a partir del domingo 1ro de octubre, el Servicio Postal de los Estados Unidos no aceptará el uso de sobres que tengan el "Aguila" ni para mandar la correspondencia ni para regresarla al remitente. Agradeceremos su atención al respecto.*

At the Tupper Center

Tue, Oct 3 ■ Fee Committee meeting, SMR, 9am.

At the Culebra Marine Reserve

Tue, Oct 3 Colegio San Patricio

Wed, Oct 4 Escuela Pedro J. Sossa

Thu, Oct 5 Colegio San Patricio

Sat, Oct 7 Grupo de Voluntarios de ANCON

At Barro Colorado Island Station

Sat, Sep 30 Groups from Colegio Nuestra Señora de Lourdes and from the Arraiján community.

Sun, Oct 1 Instituto Nacional

Sat, Oct 7 Groups from Escuela de Sociología de la Universidad de Panamá and CIMA (Centro de Información y Medio Ambiente).

Sun, Oct 8 Instituto Bilingüe Las Cumbres

At the Cayos Cochinos Station

In an effort to start a reference library at the Cayos Cochinos Station in Honduras, we are accepting any bibliographic material on tropical biology or related fields in both English or Spanish. Please send your contributions to Héctor Guzmán or Gabriel Jácome at the Surfside Building in Naos ••• *En un esfuerzo para empezar a formar una biblioteca de referencia en la Estación de Cayos Cochinos en Honduras, se está recogiendo material bibliográfico en biología tropical y ciencias afines, en español o inglés. Las donaciones se pueden enviar a Héctor Guzmán o a Gabriel Jácome en los laboratorios de Surfside en Naos.*

Reminder from Galeta ••• Sobre Visitas a Galeta

All STRI staff members and visitors must remember that the Galeta Island is no longer under the jurisdiction of the U.S. Navy. It was transferred to the United States Department of Defense Army and it's being operated by ASEC, a contracting company. If you are planing to visit

Galeta please check with Marissa Batista at the Naos Laboratories, tel. 228-4022 or Ricardo Thompson at 489-5202 or 228-2573. They will instruct you on the new policies to access the laboratories in Galeta. It is important to remember that your STRI I.D. is not enough to obtain access to the Island if your name does not appear on the day's visitors roster ••• *Todos los miembros del personal de STRI y visitantes debemos recordar que la Isla de Galeta cambió de jurisdicción del "Navy" de los Estados Unidos al "Army" del Departamento de Defensa, que contrató la agencia de seguridad privada ASEC para su manejo. Si planea visitar Galeta deberá comunicarse primero con Marissa Batista en los Laboratorios de Naos al tel. 228-4022 o con Ricardo Thompson en el 489-5202 o el 228-2573, quienes les darán las instrucciones sobre las nuevas políticas de seguridad para llegar a los laboratorios de Galeta. Es importante recordar que el carnet de identificación de STRI no es suficiente para entrar a la Isla, y que su nombre deberá aparecer en la lista de visitantes del día para poder entrar.*

ANNOUNCEMENTS

Tropical Biology: An Ecological Approach

Anybody interested in the winter offering of the course Tropical Biology: An Ecological Approach, OTS 96-1, to be held from January 21 through March 17, 1996, may copy the announcement and application posted at the Tupper Center bulletin board, or ask Don Windsor for the forms.

STRI October Birthdays

Fernando Bouche	1
Héctor Guzmán	2
David Roubik	3
Mónica Alvarado	3
Celideth Mendoza	5
Allen Herre	6
Francisco Guanti	8
Lisa Barnett	3
Ricardo Racines	11
Jorge Ventocilla	12
Andrés Ramos	17
Enrique Moreno	20
Fernando Oglivie	22
Doris Martiz	22
Daniel Millán	26
Richard Cooke	28



Reminder from the Photo Department

Please remember that our film processor its out of order. We are therefore, processing by hand, and it is taking longer than usual to have your film ready. Please contact Marcos Guerra before requesting the service.

At the Office of Education, Room, 340**En la Oficina de Educación, No. 340**

You may find information on courses, congresses, training and job opportunities, fellowships, etc., that is too long to publish. Some of this information concerns:

- Principios Ecológicos para el Desarrollo Sostenible en América Latina 96-6: Curso de la OET
- Department of Integrative Biology Faculty Research—Graduate Admissions Brochure—
- Two-year Postdoctoral Position in David Maddison's Laboratory, Department of Entomology, University of Arizona.
- Cooperation in Applied Science and Technology (CAST) with the newly independent states of the former Soviet Union.
- Festival Mundial de las Aves 1995, del 20-22 de octubre, Sociedad Audobon de Panamá.
- Sustaining the Rain Forest: An Environmental Education Program by FUNDECOR in Costa Rica.
- SI Center for Museum Studies Workshop Series 1995-1996: designed to meet the information needs of small, emerging, culturally specific and rural museums.
- PROMAR: Proyecto Planeta Océano 1995. Día de limpieza Internacional: 8 de octubre de 1995.
- Manomet Observatory anuncia el Premio Kathleen S. Anderson para biólogos prometedores.
- Harvard University 1996 Training Workshop on Environmental Economics and Policy Analysis.
- Three-Year Renewable Tenure-Track position at the Assistant Professor Level in Evolutionary Biology at Brown University.
- Faculty Research Assistant position at the Hatfield Marine Science Center, Oregon State University for one year.

NEW STRI PUBLICATIONS

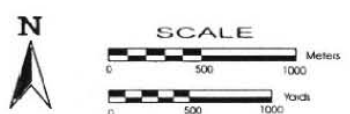
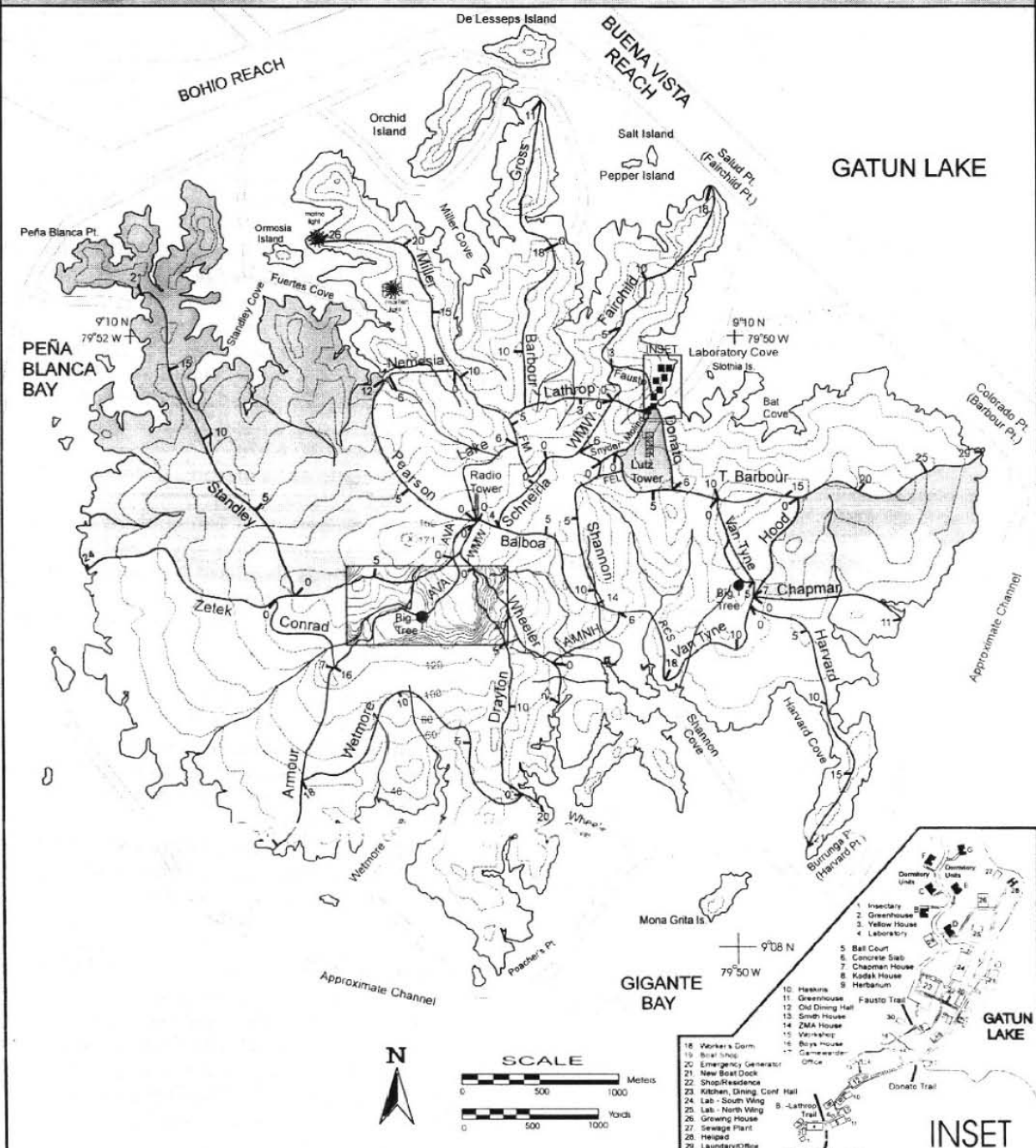
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- Allen, Gerard R. 1995. "Clipperton: The Forgotten Island." *Tropical Fish Hobbyist* 44: 46-71.
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- Christy, John H. "Mimicry, Mate Choice, and the Sensory Trap Hypothesis." *The American Naturalist* 146(2): 171-181.

- Graham, Jeffrey B., Dudley, Robert, Aguilar, Nancy and Gans, Carl. 1995. "Implications of the Late Palaeozoic Oxygen Pulse for Physiology and Evolution." *Nature* 375: 117-120.
- Heckadon-Moreno, Stanley. 1995. "Bosques y Maderas de Bocas del Toro y Chiriquí en la Década de 1920." *"Epoocas" Segunda Era* 10(9): 2.
- Lessios, Harilaos A., Allen, Gerard A., Willington G.M. and Bermingham, Eldredge. 1995. "Genetic and Morphological Evidence that the Eastern Pacific Damsel Fish *Abudefduf decliviformis* is Distinct from *A. concolor* (Pomacentridae)." *Copeia* 2: 277-288.
- Nieh, James C. and Roubik, David W. 1995. "A Stingless Bee (*Melipona panamica*) Indicates Food Location Without Using a Scent Trail." *Behavioral Ecology and Sociobiology* 37: 63-70.
- Pearsall, Deborah M., Piperno, Dolores R., Dinan, Elizabeth H., Umlauf, Marcelle, Zhao, Zhijun and Benfer, Jr., Robert A. "Distinguishing Rice (*Oryza sativa* Poaceae) from Wild *Oryza* Species Through Phytolith Analysis: Results of Preliminary Research." *Economic Botany* 49(2): 183-196.
- Piperno, Dolores R. 1995. "Death in a Small Town, by John Hedges." [Book review]. *Antiquity* 69(264): 641-642.
- Roubik, David W. (editor). 1995. *Pollination of Cultivated Plants in the Tropics*. FAO Agricultural Bulletin 118
- Rowan, Rob and Knowlton, Nancy. 1995. "Intraspecific Diversity and Ecological Zonation in Coral-Algal Symbiosis." *Proceedings of the National Academy of Sciences* 92: 2850-2853.
- Salazar Allen, Noris, Correa, Mireya D. and Peralta, Claudia G. de. 1995. "Guía Florística del Sendero de Interpretación Panamá: Las Briófitas, Parque Nacional Altos de Campana, Panamá." In: *International Bryological Conference: Tropical Bryophytes: Biology, Diversity and Conservation*: 42. Mexico, D.F.: International Association of Bryologists.
- Schulz, William. 1995. "Spotlight: New Laboratories on Barro Colorado Island." *The Torch* (September): 6.
- Yavitt, Joseph B., Battles, John J., Lang, Gerald E. and Knight, Denis H. 1995. "The Canopy Gap Regime in a Secondary Neotropical Forest in Panama." *Journal of Tropical Ecology* 11: 391-402.

Barro Colorado Island Map

On the next page you will find a copy of the latest version of Steve Paton and Judy Skillman's BCI black and white map, the most accurate and detailed ever produced. For more detailed information, please contact Steve at the Tupper Center, ext 259, or Judy, on BCI.

BARRO COLORADO ISLAND



Conrad

- ← Trail Name
- ← Trail
- ← Distance from start (in hundreds of meters)
- ← 50 Hectare Plot
- ← RESTRICTED Areas (no visitors/no research)
- ← Contour Line (20 meters)
- ← Highest Elevation (meters)
- ← Buildings
- ← Marine Navigation Light
- ← Intermittent Creek

TRAIL NAME	TRAIL MARKER	LENGTH (m)	TRAIL NAME	TRAIL MARKER	LENGTH (m)
AM MUE NAT NET	AMNH	600	LAKE	L	600
ARMOUR	AVA	2700	MILLER	FM	2600
BALBOA	B	1400	NEMESIA	N	600
BARBOUR-LATHROP	BL	1800	PEASSON	TGP	1200
CHAPMAN	FMC	1100	SCHNERLA	TCS	400
CONRAD	AHC	700	SHANNON	RCS	1800
DRAYTON	D	600	SNYDER-MOLINO	SM	600
FAIRCHILD	CF	2000	STANDLEY	PCS	2100
FAUSTO BOGANEGRA	FB	300	T BARBOUR	TB	2900
FRANK LUTZ	FEL	500	VAN TYNE	JVT	1500
GROSS	AGG	1100	WETMORE	W	1800
HARDY	H	2100	WHEELER	WMW	2700
HOOD	OH	700	ZETEK	Z	2400

NOTES

The mean surface elevation of Lake Gatun is approximately 26 meters (85 ft) above mean sea level.

Island shoreline is based on a 1927 survey by the Panama Canal Company, and is believed to represent a high, rainy season water level.

Contour and elevation data derived from photogrammetric source compiled by the Defense Mapping Agency.

The highest elevation on Barro Colorado Island is approximately 1771 meters, as indicated on this map.

PROJECTION: Transverse Mercator
 HORIZONTAL DATUM: 1927 NORTH AMERICAN
 VERTICAL DATUM: Mean Sea Level

Produced in collaboration with J. S. Silliman, 28/5/95
 Produced from a digital vector database derived from best available source Cartographers: Gary Leggett and Steven Isaac