



SEMINARS

The noon talk scheduled for Tuesday, February 10th, in the Ancon Conference Room will be given by ROSENDO FRAGA from the University of California, Santa Barbara. His subject:

Shiny Cowbirds and Mockingbirds in Argentina: Problems of Coevolution.

There is no noon talk scheduled for the following Tuesday, February 17th. Check your bulletin boards for last minute notices. The next seminar slot is also available; contact Neal Smith or Vielka Vergel at Ancon.

ARRIVALS & DEPARTURES

Arrived last month, MONIQUE GIAUSSERAND from Yale University and CHARLTON CARSCALLEN from Trent University in Canada. They are both here to conduct archaeological excavations at the Zapotal Site near Chitre, Herrera.

February 4 - Arrived, DAVID ROUBIK, to do work at STRI for one week.

February 8 - Arriving from the Smithsonian, ROSS SIMONS, Program Manager for Office of Assistant Secretary for Research, ROBERT BURKE, Director of Office of Protection Services, and RICHARD SIEGLE, who is the new director of Office of Facilities Services. They will be here for one week visiting STRI facilities.

February 9 - Arriving, RAMAR SUKKUMAR and NIRANJAN VASUDEO JOSHI, from the Indian Institute of Science to collaborate with Steven Hubbell and visit the tree census project.

February 9 - Also arriving from the Smithsonian, ROBERT PERKINS, Director of Office of Supply Services, and PHILLIP REISS, Director of Office of Design and Construction. They will be here to attend the opening of the bids for the construction of the Tupper Research Center.

February 8 - Departing, HARIS LESSIOS, to Guaymas, Mexico to collect marine specimens. He will be returning on February 15.

CALENDAR

FEBRUARY 1987						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

February 10, 11 - Opening of bids for construction of Gamboa dormitory and Earl S. Tupper Research Center, respectively.

February 16 - Washington's Birthday is an official STRI holiday.

February 17 - Scientific staff meeting will be held at 9:30 am in the Ancon Conference Room.

February 28 - Carnaval Saturday, the beginning of the carnival season which ends on Tuesday, March 3. Panama government offices will be closed Monday and Tuesday.

LIBRARY NEWS

The STRI library will close at 4 p.m Friday, February 6, and all day on Saturday, February 7, for fumigation.

The library has been requested to monitor the use of the on-line catalog and needs everyone's cooperation in this effort. Please note that there will be a sign-up record book next to the terminal for recording date, time in-time out, and initials.

BOMB SCARE

Both the STRI Library and the Ancon Building received bomb threats over the phone on Thursday afternoon, February 5.

BCI NEWS

Beginning February 16, the morning launch will leave BCI five minutes earlier, at 5:55 a.m., during weekdays.

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A partir del lunes, 16 de febrero, la lancha saldrá de BCI cinco minutos antes, a las 5:55 a.m., de lunes a viernes.

ON LEAVE

Angel Aguirre, February 2 - 9  
Juan Campos, February 2 -13  
Arturo Cargill, February 2 - 13  
Lorena Gates, February 9 - 13

OLD TIVOLI BUILDING

THIS SHOWS WHAT IT USED TO BE.  
 GROUNDBREAKING FOR NEW BUILDING WILL OCCUR SOON

**HOTEL TIVOLI**  
ANCON PANAMA

A  
HOMELIKE  
HOTEL WITH A  
CHEERFUL  
ATMOSPHERE

EUROPEAN  
  
PLAN



IDEALLY LOCATED IN THE COOLEST AND MOST BEAUTIFUL PART OF ANCON,  
OVERLOOKING THE SEA

NOTED FOR ITS CLEANLINESS AND COMFORT AND THE  
GENERAL EXCELLENCE OF THE SERVICE AND CUISINE

ALL OUTSIDE ROOMS — COOL AND COMMODIOUS — PRIVATE BATHS  
 COMPLETELY REFURNISHED AND REDECORATED

REASONABLE RATES ANDREW JOHNSTON, MANAGER

CONTROLLED AND SUPERVISED BY THE SUPPLY DEPT. OF THE PANAMA CANAL

TIDE TABLES

1987

BALBOA, PANAMA, 1987

Times and Heights of High and Low Waters

JANUARY			FEBRUARY			MARCH		
Time	Height		Time	Height		Time	Height	
Day	h m	ft m	Day	h m	ft m	Day	h m	ft m
1 0414	16.9	5.2	16 0437	14.7	4.3	1 0443	16.3	5.0
Th 1037	-1.9	-0.8	F 1081	0.7	0.2	16 0530	14.7	4.3
1682	16.6	5.1	1711	14.3	4.4	M 1127	-0.2	-0.1
2298	-0.3	-0.1	2311	1.0	0.5	1761	15.2	4.6
2 0809	17.0	5.2	17 0815	14.3	4.4	2389	0.2	0.1
F 1124	-1.7	-0.8	M 0826	14.3	4.4	17 0804	14.7	4.5
1746	17.1	5.2	1236	14.5	4.4	Tu 1210	1.0	0.5
2347	-0.4	-0.1	2346	1.0	0.5	1822	15.3	4.7
3 0602	16.8	5.1	18 0557	14.4	4.4	18 0033	0.3	0.1
Se 1212	-1.4	-0.4	Su 1201	0.7	0.2	M 0639	14.5	4.4
1836	17.0	5.2	1817	14.7	4.5	1247	0.4	0.1
4 0036	-0.1	0.0	19 0023	1.6	0.5	1942	16.0	4.9
M 0855	16.4	5.0	M 0626	14.3	4.4	4 0149	0.4	0.1
1360	-0.7	-0.2	1236	0.9	0.3	M 0803	14.4	4.4
1924	16.7	5.1	1849	14.7	4.5	1408	0.9	0.3
5 0128	0.5	0.2	20 0102	1.0	0.5	2025	14.9	4.5
M 0745	15.6	4.8	Tu 0700	14.0	4.3	5 0240	1.4	0.4
1351	0.3	0.1	1212	1.4	0.4	Th 0850	13.2	4.0
2014	16.0	4.9	1924	14.6	4.5	1486	2.2	0.7
6 0222	1.3	0.4	21 0142	2.0	0.6	2110	13.6	4.2
Tu 0835	14.5	4.4	F 0739	13.6	4.1	6 0331	2.4	0.7
1445	1.4	0.4	1353	1.9	0.6	F 0940	12.0	3.7
2104	15.1	4.6	1958	14.3	4.4	1849	3.4	1.0
7 0319	2.0	0.6	22 0227	2.3	0.7	2202	12.7	3.9
M 0931	13.5	4.1	Th 0821	13.2	4.0	7 0429	3.2	1.0
1638	2.4	0.7	1439	2.5	0.8	Se 1048	11.1	3.4
2200	14.2	4.3	2040	14.0	4.3	1648	4.3	1.3
8 0418	2.7	0.8	8 0531	3.7	1.1	2307	11.9	3.6
Th 1033	12.6	3.8	F 0910	12.6	3.8	23 0457	2.4	0.8
1636	3.4	1.0	1831	3.0	0.9	Su 1204	10.8	3.3
2267	13.6	4.1	2333	13.6	4.1	1756	4.8	1.6
9 0615	3.2	1.0	24 0417	2.7	0.8	M 1111	11.9	3.6
F 1142	12.0	3.7	Se 1016	12.2	3.7	1722	3.5	1.1
1734	4.0	1.2	1821	3.4	1.0	2339	12.7	3.9
10 0001	12.1	4.0	25 0521	2.7	0.8	9 0018	11.6	3.6
Se 0818	2.4	1.0	Su 1133	12.2	3.7	24 0613	2.4	0.7
1246	11.9	3.6	1741	3.4	1.0	Tu 1234	12.4	3.8
1837	4.3	1.3	2356	13.5	4.1	Se 1043	3.1	0.9
11 0057	13.0	4.0	26 0624	2.2	0.7	10 0119	11.8	3.6
Su 0716	3.2	1.0	M 1246	12.3	3.9	M 0627	3.6	1.2
1343	17.1	5.7	1856	3.0	0.9	Th 0743	3.3	1.0
1928	4.2	1.3	2057	3.3	1.0	1610	11.8	3.6
12 0148	13.1	4.0	27 0710	14.1	4.3	2006	4.1	1.2
M 0811	2.6	0.9	Th 0743	1.3	0.4	25 0058	13.2	4.0
1433	12.6	3.8	1381	13.7	4.2	M 0727	1.6	0.5
2021	3.0	1.2	2007	2.1	0.6	1843	13.4	4.1
13 0233	13.4	4.1	28 0210	14.8	4.5	Se 1055	11.9	3.6
Tu 0857	2.2	0.7	M 0844	0.2	0.1	1832	5.0	1.5
1816	13.0	4.0	1482	14.8	4.5	10 0655	4.2	1.3
2116	3.2	1.0	2106	0.9	0.3	Tu 1239	10.6	3.2
14 0316	13.7	4.2	29 0309	16.6	4.8	Se 0855	11.9	3.6
M 0928	1.5	0.5	Th 0937	-0.9	-0.3	1822	5.0	1.5
1566	13.5	4.1	1848	16.8	4.8	11 0050	11.1	3.4
2107	2.6	0.8	2158	-0.2	-0.1	M 0706	3.8	1.2
15 0358	14.0	4.3	30 0406	16.3	5.0	1328	11.4	3.5
Th 1015	1.0	0.3	F 1025	-1.6	-0.5	1939	4.3	1.3
1833	13.9	4.2	1641	16.6	5.1	12 0148	11.8	3.6
2236	2.1	0.6	2246	-1.0	-0.3	Th 0804	3.0	0.9
16 0488	16.8	5.1	31 0488	16.8	5.1	1423	12.3	3.7
Su 1109	-1.1	-0.6	Th 1109	-1.1	-0.6	2021	3.2	1.0
1730	17.1	5.2	2332	-1.3	-0.4	13 0233	12.6	3.8
2332	-1.3	-0.4				F 0849	2.0	0.6
						Se 0903	-0.1	0.0
						1803	13.2	4.0
						2113	2.1	0.6
						14 0313	13.4	4.1
						Se 0927	1.1	0.3
						1837	14.1	4.3
						2160	1.0	0.3
						15 0350	14.1	4.3
						Se 1003	0.3	0.1
						1809	14.0	4.6
						2223	0.1	0.0
						16 0604	15.9	4.8
						Th 1106	-1.0	-0.3
						1721	16.6	5.1
						2327	-1.3	-0.4