

TRAVELS NOW AND THEN

© Christopher Earls Brennan

JAPAN 2005

Mar. 4 Fri

Fly UA891 from Los Angeles to Narita, Tokyo.

Mar.5 Sat

Arrive NRT 4pm – to KKR Tokyo Hotel

Mar.6 Sun

3pm-5pm Evaluation Committee Meeting. Reception

Mar.7 Mon

Symposium

Mar.8 Tues

Symposium

Mar.9 Wed

9-12noon Evaluation Committee

Fly UA890 from Narita, Tokyo, to Los Angeles.

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Last updated 7/30/99.

Christopher E. Brennan

TRAVELS NOW AND THEN

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GUATEMALA AND PERU 2005

Guatemala/Peru 2005. C.E.Brennen

- Mar. 27 Sun Easter Sunday
- Mar. 28 Mon Kath+I fly TA525 LAX-GUA 23.35h (nearly midnight)(C#YQVLRC)
- Mar. 29 Tues K+I arrive GUA 6.25am – to hotel in Guatemala City
Dana flies TA573 JFK-GUA 7.15h – 11.30h – to hotel in Guatemala City
Hotel Biltmore Guatemala City
<http://www.enjoyguatemala.com/hotels/hotelbiltmore.htm>
Evening tour
- Mar. 30 Wed Fly WU070 GUA-Flores 6.30h -7.10h enroute to Tikal. Visit Tikal (Tour?)
Stay Jungle Lodge (476-8775)
<http://www.enjoyguatemala.com/hotels/hoteljunglelodge.htm>
- Mar. 31 Thurs Tikal. Fly WU075 Flores-GUA 20.45h-21.??h
Hotel Biltmore Guatemala City
<http://www.enjoyguatemala.com/hotels/hotelbiltmore.htm>
- Apr.1 Fly LR641 & LR601 GUA-LIM 7.00h-14.10h (via San Jose, Costa Rico)
Watch for hotel pickup at Lima Airport
Hotel: Hotel Antigua Miraflores, Lima
http://www.andeantravelweb.com/peru/hotels/lima/antigua_miraflores.html
Meet with John Earls
- Apr. 2 Sat Fly LP023 LIM-CUZ 9.25h-10.40h (C#YRUSMF).
Hotel: Hotel Sonesta Posada del Inca, Cuzco
http://www.andeantravelweb.com/peru/hotels/cusco/posada_del_inca.html
DW recommends Inca Grill near the plaza.
- Apr. 3 Sun Cuzco
Hotel: Hotel Sonesta Posada del Inca, Cuzco
http://www.andeantravelweb.com/peru/hotels/cusco/posada_del_inca.html
- Apr. 4 Mon Train to Machu Picchu. Visit Machu Picchu.
Hotel: Macchu Pichu Pueblo Hotel
<http://www.andeantravelweb.com/peru/hotels/machupicchu/machupicchupueblo.html>
- Apr. 5 Tues Visit Machu Picchu
Return to Cuzco
Hotel: Hotel Sonesta Posada del Inca, Cuzco
http://www.andeantravelweb.com/peru/hotels/cusco/posada_del_inca.html
- Apr. 6 Wed Fly LP022 CUZ-LIM 11.15h-12.35h
Fly LR600 LIM-San Jose, Costa Rico 14.55h-17.35h

Dana flies LR660 San Jose-JFK 18.20h-1.15h+1
K+I fly LR604 San Jose-LAX 18.25h-23.45h



WHERE TO GO
"Travel Guide"

Chichicastenango
Huehuetenango
Guatemala City
Aguateca
Antigua
Coban
Izabal
Tikal
Quirigua
Panajachel
Quetzaltenango
Copan Honduras

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Guatemala

presents

Biltmore
Hotel
EXPRESS



the International Airport "La Aurora".

The Hotel Biltmore Express is among Guatemala's finest budget hotels. It has just been renovated and is located in the heart of Guatemala City's "Zona Viva", the place for business, shopping and entertainment. The Hotel Biltmore is in walking distance from shopping malls, restaurants, night clubs and just a few minutes from

Room Rates

Single	Double	Triple
\$75	\$75	\$
includes breakfast & taxes		

RESERVE

Other Hotel

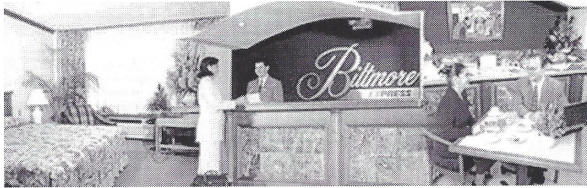
Radisson

Conquistador RAMADA
AN ACQUISITION OF HILTON

Holiday Inn
GUATEMALA

Accommodations:
Comfortable Rooms with cable TV
Continental Breakfast is included
Free Internet access at the lobby
Electronic key for your security

The Hotel is providing "family style" service and is very concerned about every guests well being.



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Guatemala

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Panajachel

Hotel Posada de Don Rodrigo

MUNDO MAYA

PLAYA PUBLICA

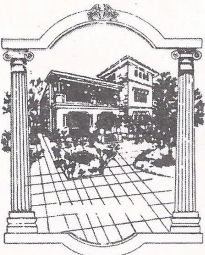
CORPORACION HOTELERA, S.A.
7a. Ave. 7-78 zona 4,
Edificio Centro Americano, Oficina 706
Guatemala, Guatemala, Centro América
PBX: [502] 331-5562
Fax: [502] 331-6838
www.hotelposadadedonrodrigo.com
E-mail: chotelera@c.net.gt

Hoteles

LA ANTIGUA

Posadas de Don Rodrigo

PANAJACHEL



Hotelera Antigua S.A.C.
Av. Grau 350, Miraflores, Lima, Perú
Telf. (51-1) 241-6116 - Fax (51-1) 241-6115
Casilla R-18-065, Recavarren
Lima - 18 - Perú (Mail)
e-mail: reserve@peru-hotels-inns.com

**Hotel Antigua
Miraflores**

FACTURA

001 - Nº 14388

R.U.C. 20266548584

EXPORTACION DE SERVICIO
Dec. Leg. Nº 919

Nombre / Name : BRENNEN CHRISTOPHER

Dirección / Address : _____

Fecha / Date : 02/04/05 Hab. Nº / Room Nº _____ Noches / Nights : 1

DETALLE / ITEMS :	VALOR / AMOUNT :	I.G.V. / SALES TAX :	SERVICIO / SERVICE:
Alojamiento / Room :	\$ 94.55		\$ 9.45
Bar. Restaurante :	\$ 38.18		\$ 3.82
Tel. / Fax :			
Lavandería / Laundry :			
Otros / Other : _____			
VENTAS NETAS / CHARGES :	\$ 132.73		
I.G.V. / SALES TAX (19%) :			
SERVICIO / SERVICE (10%) :			\$ 13.27
TOTAL FACTURA / TOTAL :	\$ 146.00		

Son : ciento cuarento y seis con 00/100 Dólares USA

Fecha Factura es Pagadero / Date Invoice is Due : _____

Favor emitir cheque a nombre de Hotelera Antigua S.A.C.

GRAPHIC YU S.A.C. RUC 20295942526
A. Sunat 0111547021 - F.I. 25-08-2004
Serie: 001 del 12001 al 14500
Emisión Válida Hasta: 25-08-2005

CANCELADO

Morino

p. Hotelera Antigua S.A.C.

ADQUIRENTE O USUARIO



Antigua, Guatemala



Close

From: website@tikaljets.com [SMTP:website@tikaljets.com]
To: brennen@its.caltech.edu
Cc:
Subject: THANK YOU FOR YOUR PAYMENT, TIKALJETS.COM
Sent: 12/30/2004 3:44 PM **Importance:** Normal



Christopher Brennen

Thank you for your payment, TIKALJETS.COM
This is your payment confirmation.

Passenger's Flight:
GUA Guatemala City / FRS Flores, Peten (Tikal) - Round Trip
Mar30/05
Flight Number: WU070
Depart Time: 06:30 (GUA)
Mar31/05
Flight Number: WU075
Depart Time: 20:45 (FRS)

Description

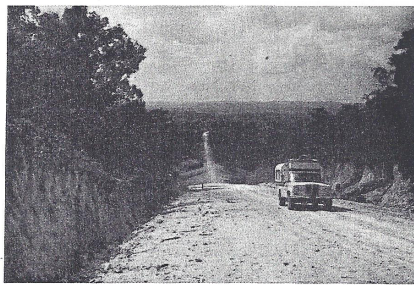
Mr. Christopher Brennen
Birth Date: Dec/3/1941
Nationality: United States
Passport: 210305015
Hotel or Place: Jungle Lodge, Tikal Area and Phone Number: (476) 8775
Mr. Vanya Katharine Alaama
Birth Date: Mar/28/1967
Nationality: United States
Passport: 035759866
Hotel or Place: Jungle Lodge, Tikal Area and Phone Number: (476) 8775
Mr. Danamichele O'Brien
Birth Date: Jun/22/1964
Nationality: United States
Passport: 210361422
Hotel or Place: Jungle Lodge, Tikal Area and Phone Number: (476) 8775

	TICKETS USD	450.00
Taxes GUA - Guatemala City / FRS - Flores, Peten (Tikal)		
	XB Sales Tax Guatemala USD	27.00
	Subtotal USD	27.00
Taxes FRS - Flores, Peten (Tikal) / GUA - Guatemala City		
	XB Sales Tax Guatemala USD	27.00
	Subtotal USD	27.00



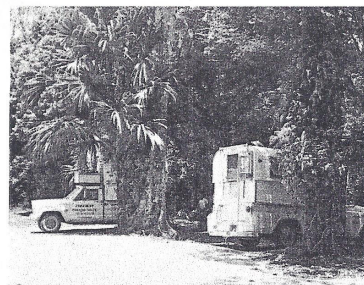
~~#21
Dana~~

~~98651
#21
Angela~~



From this second grade, there is a good view south.

At Tikal we parked our Alaskan Campers in the shade provided by the dense jungle and were thankful the screened back door and opened windows provided good ventilation, as the afternoons were warm.



ROAD INTO TIKAL - 22 MILES. A beautiful drive through tall dense jungle. As the traveler leaves the main highway, they soon see the end of Lake Peten, on the left, and one gets a good idea of its immense size. The water is clear and very blue. A short side road (left) goes down to a little village on the lake (photos) and to the lake shore. Here you have a better view of the lake than you have at Flores, as the big island blocks the lake view there.

Continuing on the road to Tikal, the road winds up a grade to a high plateau overlooking the lake and valley. Here, there is another thatched hut village. Pass the village is a road junction, right to Itza, continue

left to Tikal. Road goes through the high rain forest which continues over 150 miles northwesterly to the Palenque ruins. The new road had some soft areas that looked like they could be a problem to the driver in the rainy season.

Then one comes to a small building and a sign which states, "Parque Nacional Tikal. No hunting and do not disturb the flora." The road then goes up another short grade and enters the site grounds. Police office on right checks your papers. As you leave the office, the airstrip is on the right. The museum road goes right - Continue on main road to side road (right) to hotel. Road continues east and makes a loop through the ruins.

Tikal RUINS

In 1696 three Franciscans attempted to persuade the ruler, Canek, of the Mayans at Petén to accept Christianity and Spanish rule but he refused. The Fathers then left, but they were warned that they might be ambushed. Father Avendano soon became too weak to go on and was left behind, while the other two Fathers continued on to find help.

Father Avendano pushed on with the remaining Indians and came across ruins of ancient buildings. His description of them was that of Tikal. So the Father was apparently the first European to have seen the great Maya site.

Colonial Modesto Mendez discovered the site in 1848. The vast growth covered ruins were discovered officially by modern archeology in 1881 when the famous English scholar Alfred Moudslay visited them. He carried masses of paper on muleback to make paper squeezes of the huge stelae.

Pottery chips found near the landing strip date to 2,000 B.C. The temples were built when Christ was born. Archeologists from Princeton, Harvard and hard-working men from the University of Pennsylvania have numbered over 2,000 structures within a five-mile square.

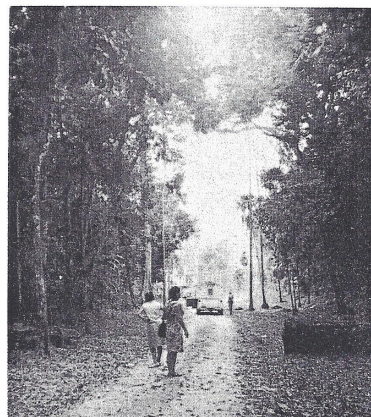
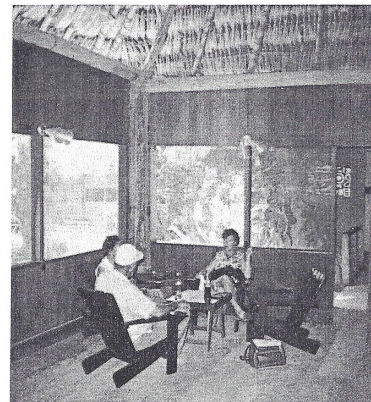
The ruins are built in 8 main groups. It is believed a very large population must have lived in Petén when Tikal was used as a ceremonial center.

Tikal is 187 miles northeast of Guatemala City. The surrounding area, around the site, is a National Park and no hunting is allowed.

A new road was built to the ruins in 1969, but the easiest way to reach the site is by plane from Guatemala City where group tour rates are provided for a day excursion flight--price \$28.00 per person, at printing. Lunch is provided at the jungle lodge and the visitors are taken in a truck to view the structures. In the late afternoon the plane returns and flies the group back to Guatemala City. Hotel rate is around \$12 per person with meals.

THE RUINS ARE SPREAD OUT and it would be a very long hike to cover them on foot. A truck can be arranged for at the hotel for a guided tour.

If one is driving their own vehicle, the roads through the site are not bad and easy to follow. A loop trip can be made of the principal structures, side roads and trails lead to others.

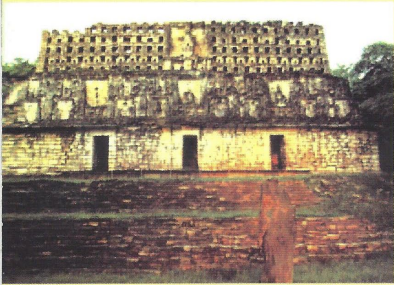


ABOVE: Screened, patio-bar room, at the hotel.

BOTTOM: Jungle road through the ruins.

The Ancient Maya River Trade Route

As the ancient Maya sailed the wide, fast-flowing rivers of Mesoamerica, so will you on this remarkable river expedition! Embarking on a journey along the Pasión and Usumacinta rivers, we will discover the ancient sites as explorers, not as common tourists.



This expedition combines adventure, archaeology and Maya culture. Ranging from seven to 12 days in length, the Great Maya River Trade Route Expeditions visit such impressive archaeological sites as Cancuén,

Aguateca, Seibal, Dos Pilas, Altar de Sacrificios, Yaxchilán, Palenque, Bonampak, Piedras Negras and others. Here, we will experience the culture of the modern Maya settled along the banks of the river, as well as tracts of lush tropical forest.

Like explorers, we will use a variety of accommodations available along our route. Sometimes we will sleep in tents under the stars or stay in rustic ecolodges run by local Maya villagers; at other times we will enjoy cozy beds in small, family-run inns or comfortable accommodations in good hotels. We will eat both the basic, hearty fare of Maya laborers — including handmade, grilled tortillas — and fine contemporary meals. Whoever our hosts and whatever the accommodation, you can expect friendly service, clean and comfortable facilities and an unforgettable experience!

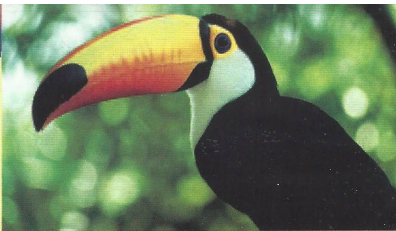
The Expedition

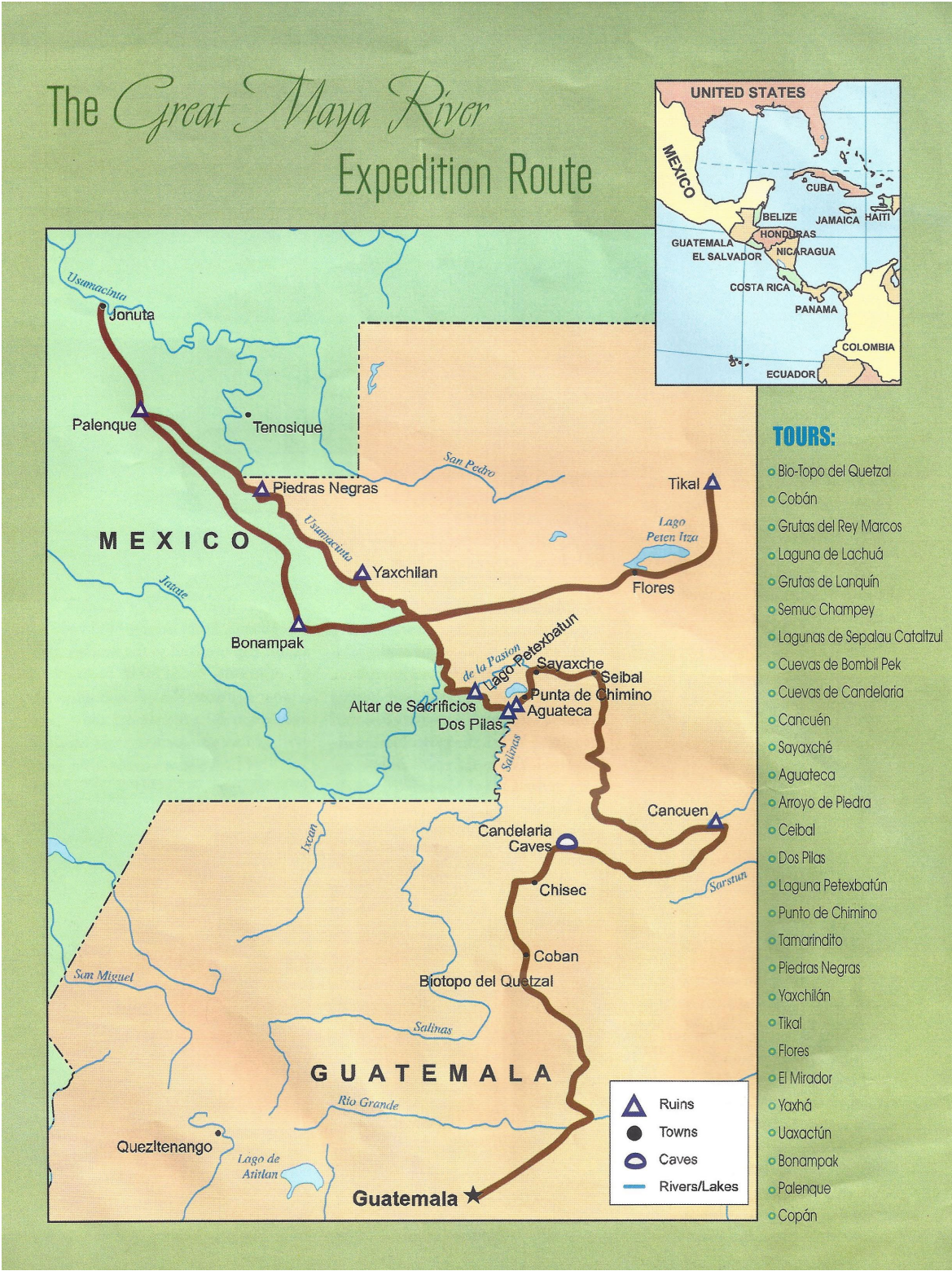
Wake up to the sounds and sights of the jungle and prepare for a spectacular tour down the ancient Maya trade route of the Pasión and Usumacinta rivers. This river system, whose banks now lie blanketed by jungle and farms, once teemed with the canoes of Maya

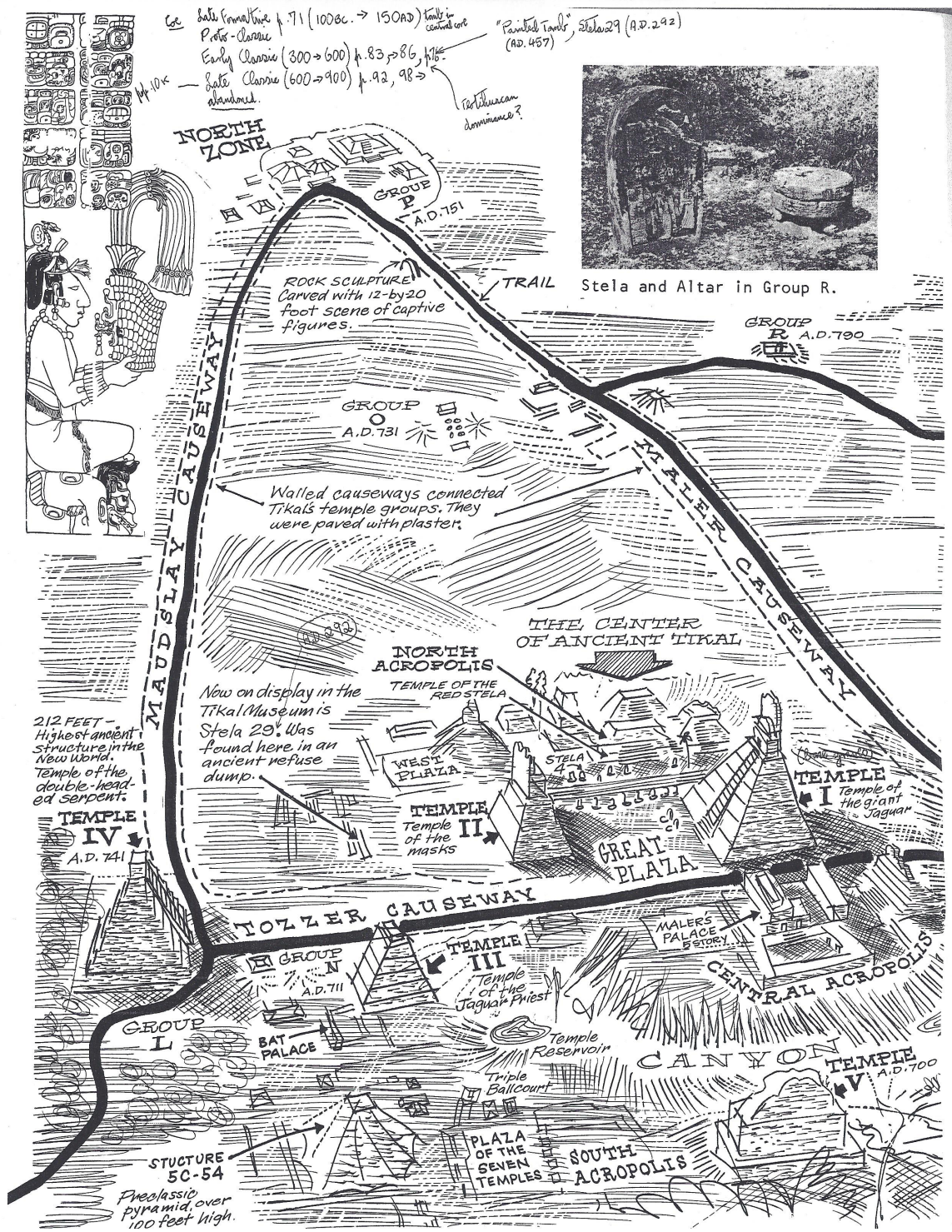
traders, paddling up and downstream to sell their wares. Their long, sleek canoes were

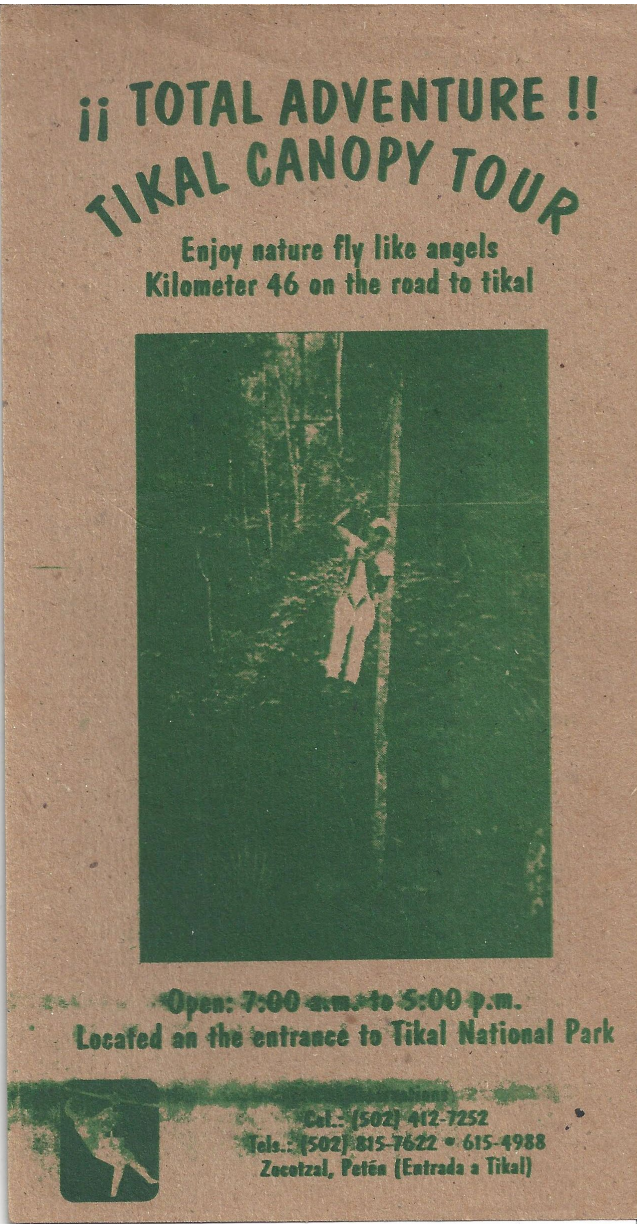
stacked with pottery from far-off cities, baskets of salt from the mines to the east, and obsidian, volcanic glass that was the Swiss Army knife of ancient Mesoamerica. Some carried rare items destined for the kings: Beautiful green jade, fragments of sparkling pyrite (“fool’s gold”) polished and set into mosaic mirrors, and the iridescent green feathers of the quetzal bird for the headdresses of royalty. Ambassadors and political emissaries also plied these waters, bearing royal tidings and news of intrigues, marriages and wars. Our journey will retrace these ancient routes, bringing to light once again the links between one city and another, their trade, their treaties of peace and their alliances for war. Along the way, we will see some of the same jungle terrain as they did 1,000 years ago. We will watch colorful toucans, spy on sunning iguanas and fall asleep to the nightly music of deep-throated howler

monkeys. And we will share all this with the descendants of those ancients, the modern Maya who, at some sites, will host us with their ancient traditions of hospitality.









Residences, Tikal



Temple I, Tikal



Temple I, Tikal



Grand Plaza, Tikal



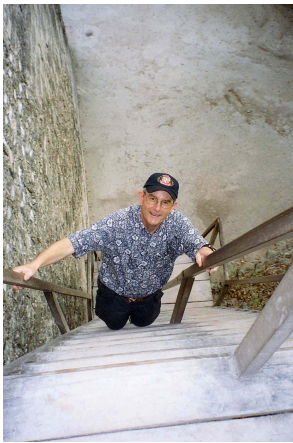
On the Palace, Tikal



Temple I, Tikal



Temple IV, Tikal, Guatemala



Temple V, Tikal, Guatemala



Temple V, Tikal, Guatemala



Temple V, Tikal, Guatemala



View from Temple V



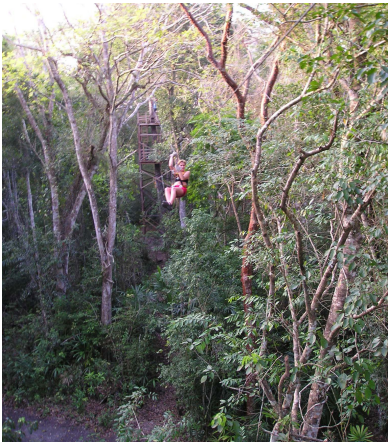
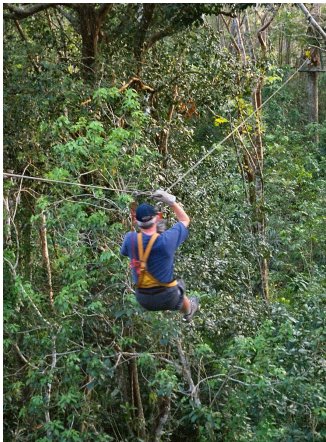
Temple V, Tikal



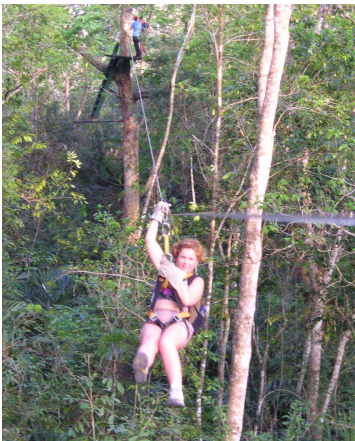
Royal Palace, Tikal, Guatemala



Howler monkeys, Tikal, Guatemala



Zipline, Tikal, Guatemala



Zipline, Tikal, Guatemala



Museo de Arte y Monasterio de Santa Catalina



Museo Municipal de Arte Contemporáneo



Museo Histórico Regional



Museo de Sitio del Qoricancha



Museo de Arte Popular



Cusco

Capital Histórica del Perú

Certifica que:

Nombre: _____
Name: _____

Ha visitado la ciudad del Cusco,
Capital Arqueológica de Sud América
y Patrimonio Cultural de la Humanidad.



**DIRECTOR REGIONAL DE
COMERCIO EXTERIOR Y TURISMO**

BTG N° 0029303

S/. 70.00 (Setenta nuevos soles.)

FECHA DE EXPEDICION: 01 ABR. 2005

FECHA DE EXPIRACION: 18 ABR. 2005

Visita Opcional a los 16 servicios

ALCALDE DEL CUSCO



Pikillacta



Tipón



Ollantaytambo



Pisac



Choro



Tambomachay



Pukapukara



Saqsaywaman



Q'enko



Monumento Pachacutec



Centro Qosqo de Artes y Danzas Folkloricas

BOLETO turístico del CUSCO

OFICINA EJECUTIVA OFEC CUSCO

MANICIPALIDAD DE CUSCO

INCUPE

INSTITUTO NACIONAL DE CULTURA CUSCO

Dir. cetur
DIRECCIÓN REGIONAL DE COMERCIO EXTERIOR Y TURISMO CUSCO

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Cusco, Peru

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Cuzco, Peru



Sacsayhuaman, Cuzco, Peru



Sacsayhuaman, Cuzco, Peru



Sacsayhuaman, Cuzco, Peru



Pisqa, Peru



Pisqa, Peru



Ollantaytambo, Peru



Ollantaytambo, Peru



Chinchero, Peru




Urubamba on the way to Machu Picchu, Peru



VISTADOME

PERURAIL

Service / Service



CONSETTUR MACHUPICCHU S.A.C.
Av. Pardo N° 613 - Cusco
AV. IMPERIO DE LOS INCAS 102
Aguas Calientes-Cusco-Urubamba-Machupicchu

R.U.C. 20278362915
BOLETO DE VIAJE

065 N° **016236**

TARIFA: **ADULTO Extranjero**
TWO WAY US \$ 12.00

FECHA EMISION: **05 ABR 2005**

RUTA: MACHUPICCHU PUEBLO - MACHUPICCHU SANTUARIO - MACHUPICCHU PUEBLO
Son: Doce con 00/100 Dólares Americanos

LUCERO de: Luna Torres Marcelina RUC: 10238880440 Ruinas 435 Aut. SUNAT 0019355091 - FI. 26-03-2005, Emisión Válida Hasta 26-03-2006



MACHUPICCHU
Santuario

**CONSETTUR MACHUPICCHU S.A.C.**

EMPRESAS DE TRANSPORTE MACHUPICCHU PUEBLO

- Waynapicchu S.R.
- Tramusa S.R.
- Pachacutec S.R.
- Tunqui S.R.
- Aguas Calientes S.R.C.
- Winaywayna S.R.
- Chaski S.R.

**PERURAIL S.A.**

Av. Amadori N° 597 - Miraflores - Lima
Av. Pachacutec s/n (Est. Wanchaq) Cusco - Cusco
Wanchaq

R.U.C.
20431971808

NOMBRE - NAME

INTRANSFERIBLE

EDAD

DOCUMENTO IDENT. N°

SERIE **903-** NRO. **0231794**

TIPO DE TARIFA	CLASE	TREN	FECHA	HORA	BOCHE	ASIENTO
PaxNorm	VISTADOME	m	04/04	06:00		

RUTA

CUS - MACHUPICCHU

PROHIBIDA LA REVENTA
NOT FOR RESALE

USUARIO:
RUC:
FECHA EMISION:
COUNTER:
CODIGO:
OBSERVACIONES:

Emisión válida hasta: 10-01-2006
Reserva RUC: 200011558 TEL: 011 211 0000. ATEL: 011 211 0000. FAX: 011 211 0000. RUC: 200011558

file:///C:/Files/BOOKS/TRAVELS/travels/travperu05.htm[3/20/2021 1:17:05 PM]



Brennen, Chris

From: John Earls [jearls@pucp.edu.pe]
Sent: Thursday, November 18, 2004 10:19 AM
To: Brennan, Chris
Subject: Re: Earls Family History

Dear Chris

Just to say now that we've got to be the same family. I have a class this afternoon and will not be able to read it all through till tomorrow but I want to say now that you have really done an incredible job. Yes I too have a cousin who is also John Earls but I think he lives in Sydney, or he did two years ago. My paternal line is Arthur Earls who died in 1972 and am an only child but Arthur was one of 7 siblings which define us as a group of cousins. I will send your email now to my cousin Helen Saunders (daughter of Enid Earls) and she can send it on to her brother Alan who is the family historian of our lineage-kindred and the exact ties can be established.

Thanks and the very best

John

PS I used to have a Sydney mate Chris Brennan, he would now be in his late 60s. -- another connection?

PPS I haven't got Helen's email in this computer so will send it tomorrow or Saturday.

At 16:15 17/11/2004 -0800, you wrote:

>Dear John Earls:

>

>I write to you for two reasons, both family history related. First your
>name and email address were brought to my attention by my cousin and
>close friend, John Earls of Brisbane, Australia. You not only have the
>same name but the same age and the Australian connection. My cousin's
>email address is jearls@optusnet.com.au.

>

>In addition my mother was an Earls and I have that as a middle name.

>Moreover, over many years I have put together an Earls family history

>which you will find at

>

><http://www.dankat.com/earls/earls.htm>

>

>I would be very interested to find out how you connect (if at all) with

>the families that I have constructed in that family history - and

>perhaps, with your help, I could fill in some gaps or add to the

>genealogy.

>

>I look forward very much to hearing from you,

>

>Christopher Earls Brennan

John Earls

Web site: <http://macareo.pucp.edu.pe/~jearls/index.html>

From "Huayna Picchu" in "The Far Side of the Sky":

We had come to this stupendous and storied place to enjoy a shared adventure, perhaps for the last time. This would be a reenactment of a family tradition forged some thirty years earlier when the girls were just a few years old. Adventure was in their souls, perhaps even in their Scotch-Irish genes. Almost forty years before our small nuclear family had left the comfort of a Northern Irish homeland and ventured half way around the world, seeking new spaces in which to grow and prosper. Husband and wife, we had arrived in California with two small daughters, two large suitcases and two hundred dollars; all we had in the world. Since that brave journey there had been joys and sadnesses, triumphs and tragedies. Some the result of happenstance, some caused by the same venturesome spirit that encouraged us to reach for the sky.

It had been this way as long as any of us could remember. There had been the long car camping trips throughout the western United States, thousands of miles in a slightly faulty but stylish 65 Mustang to explore every reachable geological oddity or anthropological remnant. We had hiked as far as children's legs could take them, into the Virgin River Narrows, through the Hoh rain forest, up to the glaciers of Mount Rainier and out to a myriad of other places. We had often ventured off-trail to find places others had not seen whether in the rugged and precipitous canyons of the San Gabriel mountains, the wondrous maze of rocks in Joshua Tree National Park, or the canyons of the Colorado plateau, anywhere something new or exciting might be found. Mishaps were, of course, inevitable. In those early days, they rarely meant more than an unexpected dunking or a twisted knee. Sometimes they even meant dangling on the end of a rope for a short time before being rescued. In later life and in different circumstances, there were sometimes more serious consequences.



Machu Picchu
(Photo by Danamichele Brennen)



Huayna Picchu
(Photo by Danamichele Brennen)

As the eldest daughter she had left home first, travelling across the continent to make her life in an eastern city. She had married an older man, only to discover after two children that their interests and personalities had diverged to the point of rupture. In the heat and trauma of that dissolution, she had become a little derailed. One awful night, Jan.5, 1999, that lead to a terrible accident. Driving too fast late at night on icy asphalt, her red 951 Turbo Porsche left the road and smashed, driver side first, into the trees. She was trapped upside down for hours, her lower body crushed among mangled metal. It took more than two hours for the firemen to cut her loose and load her into the helicopter for the short flight to the University of Pennsylvania Hospital. There the doctors diagnosed multiple fractures of the pelvis, two broken femurs, a broken right ankle and numerous lacerations. Orthopedic surgeon Christopher T. Born took on the daunting task of trying to reconstruct the lower part of her body. She was very lucky to have found herself in the hands of this skilled surgeon who performed five operations to reconstruct the pelvis (using five permanent pins), to align the femurs (using a rod through the core of one femur) and pin the ankle together with several permanent screws. She spent two months in the University of Pennsylvania hospital and another month in a rehabilitation hospice in Bryn Mawr. Then many agonizing months with daily physiotherapy in order to walk again. This too was interrupted by a final operation in the fall to remove the rod from the femur. It took patience, persistence and much pain as well as valuable help from her ex-husband, Bill O'Brien. But her innate optimism and irrepressible spirit equipped her for the struggle and within the year she could walk again, albeit slowly and with a limp. Her case was so unusual that Dr. Born published a research paper on it. But she was not finished with the repair and by the summer of 2000 was able to send him a photograph of her rock climbing in Kings Canyon National Park, a picture that he proudly included in the verbal presentation of his paper at a scholarly symposium.

But she still limped, was still impaired in her movements so there was still work to be done if she was to live the kind of active life that she had been brought up to and that she wanted for herself and her children. There would be no more horse riding but there could still be great adventure.



Climbing Huayna Picchu
(Photo by Danamichele Brennen)



Tunnel on Inca trail, Huayna Picchu

And now she stood beside me in the midst of the lost city of the Incas. With her sister we had travelled to Peru and flown to the Incan capital of Cuzco. There we paused for several days in that beautiful sky-high city, partly to acclimatize and partly to enjoy the Incan and Spanish colonial history of the place. One guided tour took us to the huge Spanish colonial cathedral of Cuzco, built on the foundations of Incan palaces and richly decorated with imperious, gilted images. During that visit there occurred a moment that augured for something special in our own lives. Standing in the imposing nave of the cathedral, the daunting plumage all around, the cathedral bells began to toll slowly. Moments later the whispers could be heard everywhere and nowhere, "El Papa murio, el Papa murio,...". It was April 2, 2005, and Pope John Paul had just died half a world away. I could not help but be reminded of my own mortality, of the need to relish these special days with my two beloved daughters; "... never send to know for whom the bell tolls; it tolls for thee (John Donne, 1623)."

A couple of days later we caught the early morning train that laboriously switchbacked its way up the mountains surrounding Cuzco and crossed the altiplano before descending again into the deep valley of the Urubamba river. Heading downstream through the ever-deepening gorge we left the dirt roads behind us just northwest of Ollantaytambo, only the railway and the raging Urubamba penetrating the deepening jungle beyond that point. Finally, five hours from Cuzco, the train edged into Agua Caliente, a jumble of vendor stalls, hotels and restaurants squeezed into a strip of jungle between the

Urubamba and the towering cliffs. We had come to the land of cloud forest and the mist hung in great clumps over the heights above us. A raft of buses were waiting for the train and we were soon switchbacking our way up the dirt road toward the ridge, *1300ft* above the Urubamba, a ridge where the Incas built their magic city of Machu Picchu. We spent the day there, first on a guided tour, and then in our own explorations. The day tours left in mid-afternoon and thereafter we enjoyed the lack of crowds and the improving weather as the mists cleared and the sun began to peek through. It was a glorious afternoon in a magnificent place.

Though much of Machu Picchu's history is shrouded in mystery, the most widely held view is that the city was built by the Inca emperor Pachacutec in the mid 1400s and that it served as both a ceremonial and agricultural center. The astronomical alignments of its temples and monuments are very sophisticated and the extensive agricultural terraces may have been used to grow plants adapted to the wet jungle climate rather than the drier Inca heartland. Some think that Machu Picchu's isolation may have led to a decline prior to the Spanish arrival in Peru. What is certain is that it was completely abandoned before it could be discovered by the invaders; Pizarro marched right past it on his exploration down the Urubamba. This was great good fortune for Machu Picchu was rapidly overgrown and for centuries lay hidden in the jungle, one of the very few Incan cities to escape destruction by the Spaniards. Not until 1911 did the American archeologist Hiram Bingham uncover its hidden splendours.

The city was built on a narrow ridge that lies inside a sharp, 180 degree bend in the Urubamba river. It is a natural fortress site, easily defended since the *1300ft* drop down to the Urubamba is nearly vertical on three sides. On the fourth side, overshadowed by the *10,040ft* Machu Picchu mountain, the Inca built a wall, a gate and various guard houses to protect the city. At the other end, the far end of the ridge, a precipitous basaltic column rises like an exclamation mark to a sharp summit, another *1000ft* above the city. This awesome pinnacle, known as Huayna Picchu, was sacred to the Incas who managed to build some remarkable structures on its precarious summit. In several places their paths and terraces look down over *2300* vertical feet to the Urubamba.



Inca temple on Huayna Picchu



On the summit of Huayna Picchu

Somehow during the rest of that day and evening, as we relaxed at our hotel in Agua Caliente, a plan to climb Huayna Picchu crystallized in our minds. None of us were quite sure we had the strength after our exhausting travels and the toll that the altitude had taken on our constitutions. When the morning came Kathy, my younger daughter, did not feel well enough for this extracurricular exploit and resolved to spend the morning resting among the Incan ruins. Dana had done nothing like this climb since her accident and so it became an unexpected but welcome test of her long rehabilitation.

So it was that in the morning mist we crossed through the lost city to its northwestern end where, at *7875ft*, the ridge narrows to a knife-edge. There the Incas built a shrine and guardhouse, a hut that still serves the same purpose, for those who set off to climb Huayna Picchu today must sign in and sign out when they descend again. It is not quite clear what the authorities would do if someone failed to sign out; drain the Urubamba? We duly signed in and started along the rough trail that first descends about *100ft* in order to cross the narrow spine that connects the main ridgetop with Huayna Picchu. The climb up the steep trail toward the summit starts immediately and rapidly steepens; the ancient steps cut into the rock are sorely needed as are the ropes that have been added for modern climbers. We paused often to inhale gulps of thin air. Then on again. Dana climbed easily, exuding a delight in finding final confirmation that she was no longer handicapped; indeed she often had to wait while I caught up. Nearing the summit, the jungle around us merged into Incan walls and soon we were ascending the first steep staircase through those terraces. This led to the first great platform with a fantastic view of Machu Picchu and the land all around us. From this platform the trail proceeded through a short tunnel, emerging beside an "usnu" or holy site with walls built above a *2000ft* vertical drop all the way down to the Urubamba. Then more stairs along the edge of that awesome cliff before we arrived at the jumble of giant boulders that adorn the summit. Climbing through and over several of these, overhanging the same huge drop, we finally gained the *8860ft* summit of this awesome peak.

As it turned out, Dana had conquered Huayna Picchu with some ease and certainly no limp. Nevertheless the accomplishment symbolized a long and painful struggle, a rehabilitation that had been as much spiritual as physical. It would have been so easy, so comfortable to take refuge in the handicap, to let all those metal pins and rods bear the burden. To make the matter harder, along the way she had to deal with a host of other challenges that would have broken a lesser spirit. And so this moment was one of rightful, jubilant celebration. I was and am deeply proud of what my daughter overcame and that pride as well as her joy are etched in the faces of the photographs we took that day. The Incas had carved a soaring condor into the face of the summit boulder. It seemed an appropriate symbol for what she had accomplished.



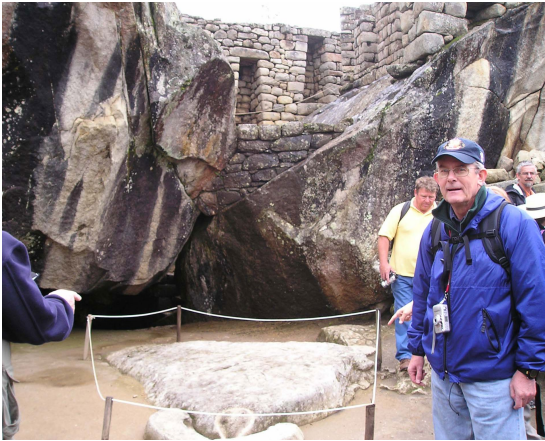
Machu Picchu, Peru



Machu Picchu, Peru



Machu Picchu, Peru



Machu Picchu, Peru



Machu Picchu, Peru



Machu Picchu, Peru



Machu Picchu, Peru



Machu Picchu, Peru



Machu Picchu, Peru



Machu Picchu, Peru



Machu Picchu, Peru



Machu Picchu, Peru



Machu Picchu, Peru



Machu Picchu, Peru



Machu Picchu, Peru



Machu Picchu, Peru



Machu Picchu, Peru

*Last updated 4/23/05.
Christopher E. Brennan*

Italy and Europe, July/August 2005. C.E.Brennen.

- Jul. 14 Thu Leave LAX at 9.00am on UA108 to ORD (25A & B).
Leave ORD at 4.10pm on UA958 (21A & B).
- Jul. 15 Fri Arrive LHR at 5.55am. Avis Rental Car #16384894US1
Drive to Binton (directions). Stay Blue Boar (booked room 15).
- Jul. 16 Sat Stay Blue Boar. Shakespeare - Comedy of Errors -7.30pm
- Jul. 17 Sun Stay Blue Boar
- Jul. 18 Mon Fly BHX – BHD FLYBE BE402 8.45am-9.50am
Avis Rental Car #16385654US5. Stay Mills
- Jul. 19 Tues Stay Mills. Magherafelt to see Ma Brennen
- Jul. 20 Wed Lunch with Flora. Drive to Portrush. See Colin and Diane briefly.
Dinner at Royal Court Hotel, Whiterocks with Olive, George.
Stay at Royal Court Hotel.
- Jul. 21 Thurs Stay Mills.
- Jul. 22 Fri Fly BHD-LHR BD081 6.45-8.25am
Fly LHR-Venice (Marco Polo) BD467 11.30-14.45pm
Take Alilaguna Water Taxi from Terminal to St. Marks Square.
Stay B.W. Cavaletto E. Doge Orseolo (#027578455)
- Jul. 23 Sat Venice. Stay Stay B.W. Cavaletto E. Doge Orseolo.
- Jul. 24 Sun Take Alilaguna Water Taxi from St. Marks Square to airport.
Advantage Rental Car 928-0007207-RZ. Drive to Udine (80 minutes).
Stay in CISM Hostel, Piazza Garibaldi 17, Udine.
Green door bt. newspaper shop and CISM – code 31518192A – push and pull
White door – same code – stairs to room 23
- Jul. 25 Mon Course starts. My lectures 2.30pm-4pm
- Jul. 26 Tues Course 9am-6pm. My lectures 11am-12.30pm, 4.30pm-6pm
- Jul. 27 Wed Course 9am-6pm My lectures 11am-12.30pm
Afternoon drive?

Jul. 28	Thurs	Leave Udine - drive to Venice Airport VCE (80 minutes) Fly VCE-FCO Alitalia1464 7.40am - 8.45am FCO-ATH Aegean Air651 11.00am - 2.00pm ATH-HER Olympic510 3.50pm – 4.40pm Budget Rental Car in Heraklion (16703272US\$) Stay Lato Hotel, Heraklion.
Jul. 29	Fri	Visit Knossos. Stay Lato Hotel, Heraklion
Jul. 30	Sat	Crete. Stay Chania - Hotel Porto Veneziano
Jul. 31	Sun	Crete. Stay Chania - Hotel Porto Veneziano
Aug. 1	Mon	Crete. Drive to Heraklion. Leave rental car to airport. Stay Lato Hotel, Heraklion
Aug. 2	Tues	Ferry from Heraklion to Santorini. Hellenic Seaways. 9.15am – 11.00am Stay Santorini – Hotel Kavalari
Aug. 3	Wed	Santorini. Stay Santorini.- Hotel Kavalari
Aug. 4	Thurs	Ferry from Santorini to Pireus. Hellenic Seaways 12.45pm – 17.30pm Stay Athens. – Electra Hotel (027580548)
Aug. 5	Fri	Athens. Stay Electra Hotel, Athens.
Aug. 6	Sat	Athens . Stay Electra Hotel, Athens.
Aug. 7	Sun	Drive to Delphi. Visit Delphi Stay Hotel Acropole, Delphi.
Aug. 8	Mon	Drive to Athens Fly ATH-LHR Olympic OA265 7.15pm - 9.15pm Stay Thistle Hotel, Heathrow.
Aug. 9	Tues	Fly LHR-LAX on UA 935 leaving LHR 10.55am

CISM Travel Expenses:

Airline tickets: LAX-LHR + return:	\$ 1047.91
LHR-VCE + return (equivalent):	\$ 413.00
Rental Car:	\$ 256.00
Night in Venice:	\$ 246.00
Thus far:	\$ 1963 = E 1615

Note: Maximum is E 1300

TRAVELS NOW AND THEN

© Christopher Earls Brennen

GREECE 2005

Italy and Europe, July/August 2005. C.E.Brennen.

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Leave ORD at 4.10pm on UA958 (21A & B).
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			Fly VCE-FCO Alitalia1464 7.40am - 8.45am
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Jul. 29	Fri	Visit Knossos. Stay Lato Hotel, Heraklion	<i>Museum in Heraklion</i>
Jul. 30	Sat	Crete. Stay Chania - Hotel Porto Veneziano	<i>Drive west Rethymno.</i>
Jul. 31	Sun	Crete. Stay Chania - Hotel Porto Veneziano	<i>Drive to Gorge.</i>
Aug. 1	Mon	Crete. Drive to Heraklion. Leave rental car to airport. Stay Lato Hotel, Heraklion	<i>Phaestus?</i>
Aug. 2	Tues	Ferry from Heraklion to Santorini. Hellenic Seaways. 9.15am - 11.00am Stay Santorini - Hotel Kavalari	
Aug. 3	Wed	Santorini. Stay Santorini - Hotel Kavalari	<i>Visit Acrotiri</i>
Aug. 4	Thurs	Ferry from Santorini to Pireus. Hellenic Seaways 12.45pm - 17.30pm Stay Athens. - Electra Hotel (027580548)	
Aug. 5	Fri	Athens. Stay Electra Hotel, Athens.	<i>Walking tour of Acropolis etc</i>
Aug. 6	Sat	Athens. Stay Electra Hotel, Athens.	<i>{ Sun at Summer 9 PM</i>
Aug. 7	Sun	Drive to Delphi. Visit Delphi Stay Hotel Acropole, Delphi.	
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Thu. Jul.14
Fly to London



Warwick, England



Warwick, England



Warwick, England



Oxford, England



Oxford, England



Oxford, England



Oxford, England

Mon. Jul.18
Fly to Belfast



Lisburn, Northern Ireland



Lisburn, Northern Ireland



Northern Ireland



Coleraine, Northern Ireland



Portrush, Northern Ireland



Portrush, Northern Ireland



Three Brothers in Northern Ireland



Northern Ireland

Fri. Jul.22
Fly to Venice



Venice, Italy



Venice, Italy



Venice, Italy



Venice, Italy



Venice, Italy



Venice, Italy



Venice, Italy



Venice, Italy



Venice, Italy



Venice, Italy



Venice, Italy



Venice, Italy

Sun. Jul.24
Drive to Udine



Udine, Italy

Thu. Jul.28
Fly to Crete



Map





A BOUTIQUE HOTEL

HERAKLION - CRETE - GREECE



LATO HOTEL

CLICK IMAGE TO ENLARGE

THE PERFECT CHOICE OF THOSE
TRAVELLING FOR BUSINESS OR LEISURE

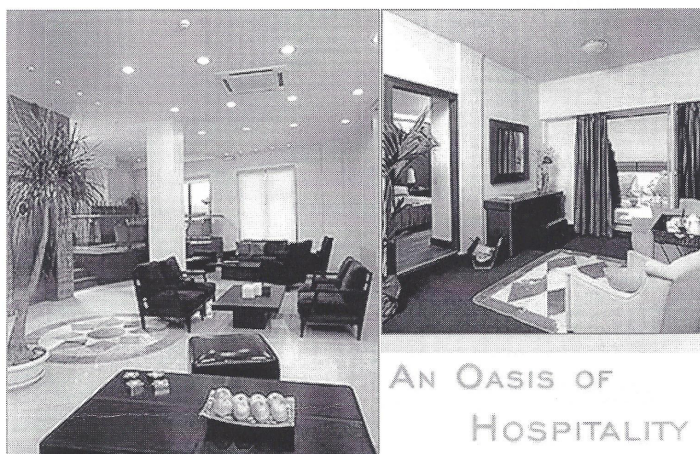


Select your Connection Speed to view our video Clip (WM9): [Isdn 128k](#) / [BroadBand 250k](#)

Lato, a Boutique Hotel, is the perfect choice for visitors to Heraklion, Crete.

An oasis of hospitality, it is ready to satisfy the needs of those travelling for business or leisure.

Operating year round, it has arguably the finest location in the city, being exactly across the old port, offering panoramic view to the Venetian Fortress.



AN OASIS OF
HOSPITALITY


53 individually designed rooms
and 5 suites offer a total of 110
beds.

Each room featuring unique amenities and decorative style, has acquired its own stated personality, offering both anticipation and surprise.

<http://www.greekhotel.com/crete/heraklion/lato/main.htm>

6/6/2005

CRETE, the land

 A piece of mountain thrown smack in the center of the sea cracked and shattered in the fall, however it grew roots which wrote history. Full of gorges, ravines, jagged slender mountain peaks on the one hand, castles and villas of bygone times on the other, bound tightly together by the alluring blue of its seas. And on this earth, people who adored it and love it give another dimension to the term "patriot".

Crete: 8,036 square kilometres with 257 kms length waiting to be explored from coast to coast, with the highest mountain peak calling to be climbed (Mt Ida also known as Mt Psiloritis: 2,456 metres) or the Lefka Ori (white mountains: 2,452 metres), where you can ski with a view of the shimmering Libyan Sea.

The dream of every hiker: To trek through the Samaria gorge (16 kms, national park since 1962) and swim at Agia Roumeli.

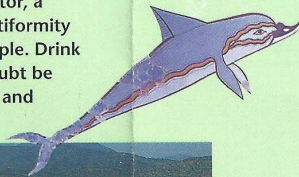
The dream of every naturist: to visit the fertile plateaus in May, where an endless collection of orchids and herbs dotting the landscape can be admired, and the fragrance of dittany can be smelt, and where one can walk through Europe's only palm-tree forest on the east coast, at Vai, before diving into one of the lakes of Preveli river.

The dream of every bibliophile: To reach Zorba's cave at Stavros, and to create your own imaginary boat, to visit Kazantzakis' grave at the walls of Herakleion. And if you are a simple visitor, a tourist, you will be amazed by the multiformity and contrasts of this island and its people. Drink "tsikoudia" (raki) which you will no doubt be offered, eat the "dakous" with tomato and



The beach of the city of Chania - Liogerma.

Badestrand bei der Stadt Chania - Liogerma.



ALFA HELLNIC BEER

oregano, try the "staka".

If you should find yourself wondering why it is that the people from this region become teary during their greatest joys while shooting blanks in the sky, consider the fact that being surrounded by so much beauty must hurt, and consider also their history and the ghosts of the past which they must disregard.



CRETE, the history

From the mythical, prehistoric age of Minoan and Talo's guard, Crete has constantly been inhabited. After each destruction, old and new inhabitants have tried to give the island the significance it warrants. The destruction of the Minoan civilization (14th Century B.C.) was immediately followed by the creation of 100 new Greek city states. They lived with laws (see Gortyn epigraph) and class structures, however there was rivalry amongst them.

Egyptian influence and pirate raids left their mark on the island until the first Christian years. A period of peace was noted during the Pax Romana, and when St Paul visited the island it was unified and strong.

The land of "milk and honey" was occupied by the Saracens (9th Century AD) and they established Handaka (handaki - moat). As a result, the island was known as Candia.

A new chapter of the island's history began with the arrival of Byzantines (Nikiforos Fokas 961 AD) who managed to overthrow the pirates, leading to a construction of churches and monasteries. The conflicts and wars with the crusaders were

Authentic Greek Taste

Map of Crete - Die Landkarte von Creta





ALFA HELLNIC BEER

Crete

 **Information**

Crete is the largest island of Greece, located at the southernmost part of Europe. Boats from the port of Piraeus leave regularly for Crete and there are also frequent flights.

The Cretan climate is mild and temperatures range from 5°C - 15°C in winter and from 20°C - 35°C in summer. Fauna on the island is of the richest in Europe with 1.600 plant varieties, of which 150 are indigenous.

Rich in natural beauty, the island boasts of superb isolated and popular beaches, gulfs, a great many gorges (including the well-known Samaria gorge) and high mountains somehow reflect the brave and haughty temperament of the Cretan people,

who are particularly known for their patriotism, enthusiasm and love of nature.

The land is fertile, with abundant agriculture. Cretan products flood European markets (sultanas, wine, rusk, oranges, garden produce).

Sun, vivid light and natural wealth is what draws foreigners and Greeks alike to the large island throughout the 12 months of the year.

Useful phones

GNT0 (Greek National Tourism Organization): Herakleion 2810 - 301.830, Chania 28210 - 92.943, Rethymnon 28310 - 29.148

Kreta

 **Informationen**

Kreta ist die grösste Insel Griechenlands am südlichsten Punkt Europas. Täglich kommen und gehen Schiffe von Piraeus nach Kreta, so wie auch mehrere Flüge am Tag aus Athen kommen.

Das Klima mild mit Temperaturen 5°C - 15°C im Winter und 20°C - 35°C im Sommer.

Die Pflanzenwelt ist von den reichsten in Europa mit 1600 verschiedenen Pflanzen von denen 150 heimisch sind.

Wunderschön mit erstaunlichen Stränden, einsame oder mit Menschen bevölkerte Buchten, sehr viele Schluchten (die bekannteste, die Samaria Schlucht), enorm hohe Berge, die mit dem tapferen und stolzem Charakter der Kreter verbunden

sind, mit dem enormen Patriotismus, der Begeisterung und Liebe für die Natur und Ihr Land.

Fruchtbar mit vielen kultivierten Pflanzen, die Kretischen Produkte findet man auf allen Märkten Europas (Trauben, Rosinen, Wein, Apfelsinen und Gemüse).

Sonne, Licht, Leben und Reichtum der Insel sind der Grund dass die Griechen wie auch die Ausländer die Insel 12 Monate im Jahr besuchen.

Nützliche Telephonnummern

GNT0 (Greek National Tourism Organization): Herakleion 2810 - 301.830, Chania 28210 - 92.943, Rethymnon 28310 - 29.148

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Crete

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Crete



Crete



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Crete



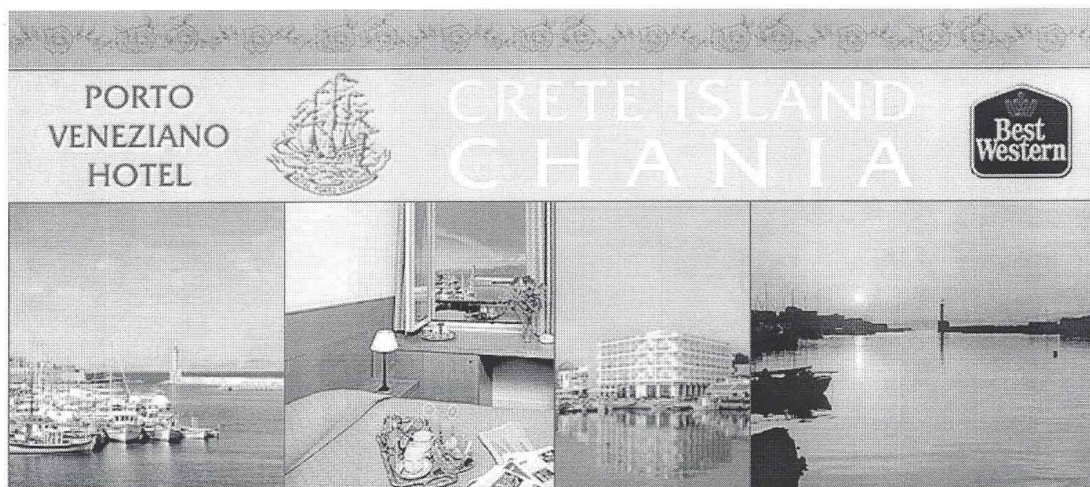
Crete



Crete

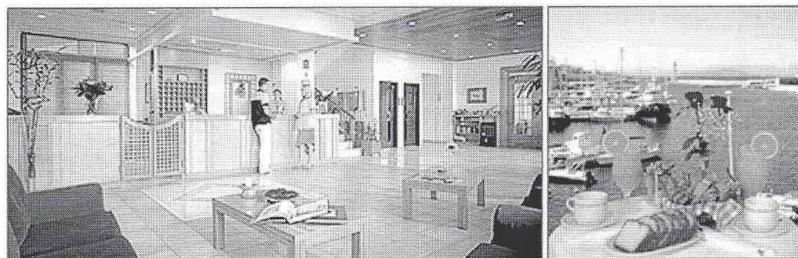


Crete



Crete Island | Chania | Greece | Old Venetial Harbour
Tel: +30-28210-27100 | Telefax: +30-28210-27105 | [Click here to send E-mail](#)

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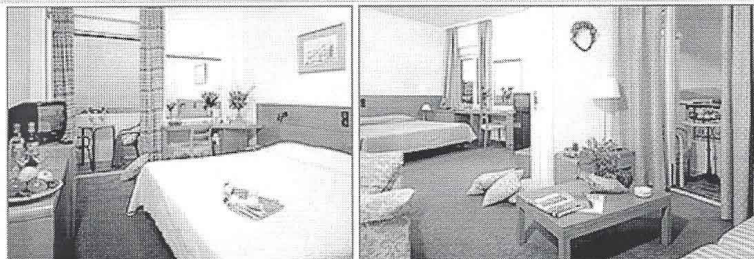


Porto Veneziano Hotel is located in the Old Town of Chania, only 300m from the center of the city and 1500m from the near beach.

Our hotel is fully equipped, luxurious and comfortable. It offers a solid commitment of quality and value.

Porto Veneziano consists of 51 carefully decorated rooms and 6 luxurious suites ready to fulfill your greatest needs.

SERVICES: Porto Veneziano provides comfortable reception area which is operating 24 hours a day and offers the following services:



SERVICES WITHOUT CHARGE

- Information for excursion, car rental, restaurants, entertainment
- Reservations in other hotels
- Call for taxi for any transportation, or organised transfer from and

SERVICES WITH CHARGE

- Safe boxes
- Exchange
- Stamps, courier service (DHL, ACS, etc)
- Laundry, dry cleaning
- Fax, internet, photocopies

<http://www.greekhotel.com/crete/chania/portoveneziano/home.htm>

6/3/2005



Crete



Crete



Crete



Crete



Crete



Crete



Crete



Crete



Crete




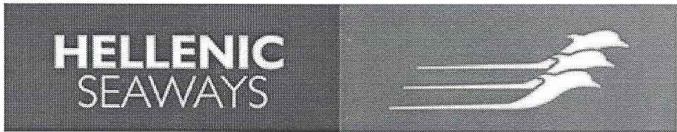
Crete



Tue. Aug.2
Ferry to Santorini

SANTORINI

FlyingCat 4 Heraklion (Crete) - Santorini - Ios - Paros - Naxos - Mykonos	HighSpeed 5 Piraeus (Athens) - Chania (Crete)	Reservation	Home Page	
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Year of Built: 1999 - Length: 55,07 - Speed: 42 knots - Stabilizers - Passengers: 443

Departures From Heraklion (Crete) to:
Santorini, Ios, Paros, Naxos, Mykonos.

From 22nd April 2005 Monday - Tuesday - Friday Saturday - Sunday ----- From 30th May till 18th September Daily* ----- From 19th September till 2nd October 2005 Monday - Tuesday - Friday Saturday - Sunday		
	Arrival	Departure
HERAKLION		09:15

SANTORINI	11:00	11:10
IOS	11:40	11:50
PAROS	12:50	13:00
NAXOS	13:30	13:40
MYKONOS	14:20	14:30
PAROS	15:10	15:20
NAXOS	15:50	16:00
IOS	16:40	16:50
SANTORINI	17:20	17:30
HERAKLION	19:15	-
*No sailing: 08/06, 22/06, 06/07, 20/07, 03/08, 17/08, 31/08, 14/09.		

Tues
Aug 2

Home Reservation

PRICES LIST IN EURO Per Person Per Way

From HERAKLION			From SANTORINI		
	Business	Economy		Business	Economy
SANTORINI	37,20	28,80	IOS	15,50	11,90
IOS	44,10	34,10	PAROS	30,50	23,50
PAROS	57,40	44,40	NAXOS	28,40	21,90
NAXOS	50,20	38,80	MYKONOS	33,80	26,00
MYKONOS	58,60	45,20	HERAKLION	36,40	27,90

From IOS			From PAROS		
	Business	Economy		Business	Economy
PAROS	22,90	17,60	NAXOS	13,10	10,10
NAXOS	20,80	16,00	MYKONOS	16,80	13,00
MYKONOS	31,50	24,20	IOS	22,90	17,60
SANTORINI	15,50	11,90	SANTORINI	30,50	23,50
HERAKLION	43,20	33,30	HERAKLION	56,50	43,50

From NAXOS			From MYKONOS		
	Business	Economy		Business	Economy
MYKONOS	18,90	14,60	NAXOS	18,90	14,60
PAROS	-	-	PAROS	16,80	13,00

HELLENIC SEAWAYS



Year of Built: 1999 - Length: 55,07 - Speed: 42 knots - Stabilizers - Passengers: 438

Departures from Heraklion to: Santorini, Ios, Paros, Naxos, Mykonos.

Departures* From HERAKLION to:

SANTORINI	IOS	PAROS	NAXOS	MYKONOS
Daily 09:15	Daily 09:15	Daily 09:15	Daily 09:15	Daily 09:15

DEPARTURES* TO HERAKLION from :

SANTORINI	IOS	NAXOS	PAROS	MYKONOS
Daily 17:30	Daily 16:50	Daily 16:00	Daily 15:20	Daily 14:30

* No Sailing : July 27th, August 10th, 24th, September 07th

* From 19th September 2005 departures every : Monday – Tuesday – Friday – Saturday & Sunday

Prices List in Euro from 15/07/2005

From HERAKLION			From SANTORINI			From IOS		
	Business	Economy		Business	Economy		Business	Economy
SANTORINI	43,10	31,00	IOS	17,90	12,80	PAROS	26,50	18,90
IOS	51,00	36,70	PAROS	35,50	25,30	NAXOS	24,10	17,20
PAROS	66,50	47,80	NAXOS	33,00	23,60	MYKONOS	36,60	26,10
NAXOS	58,10	41,70	MYKONOS	39,10	28,00	SANTORINI	17,90	12,80
MYKONOS	67,90	48,70	HERAKLION	42,20	30,20	HERAKLION	50,20	35,80

From PAROS			From NAXOS			From MYKONOS		
	Business	Economy		Business	Economy		Business	Economy
NAXOS	15,30	10,90	MYKONOS	22,00	15,70	NAXOS	22,00	15,70
MYKONOS	19,50	13,90	PAROS	-	-	PAROS	19,50	13,90
IOS	26,50	18,90	IOS	24,10	17,20	IOS	36,60	26,10
SANTORINI	35,50	25,30	SANTORINI	33,00	23,60	SANTORINI	39,10	28,00
HERAKLION	65,70	46,90	HERAKLION	57,20	40,90	HERAKLION	67,00	47,90



PALEOLOGOS & A

Hellenic Seaways - Central Agency
5, 25th AUGUST Str. 71202 HERAKLION - CRETE - GREECE
Tel : 2810 346185 – 2810 330598. FAX: 2810 346208.

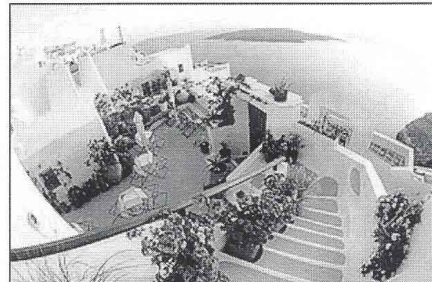


*Welcome to hotel Kavalari...
Here you will feel right at home
as soon as you cross the threshold.*



he **Kavalari** is centrally located in **Fira**, the main town of Santorini. Originally a captain's house, the property was converted into a hotel over a period of fifteen years.

*Standing on the cliff
of the Caldera,*



[CLICK HERE TO ENLARGE](#)



[CLICK HERE TO ENLARGE](#)

the Kavalari overlooks the volcano.

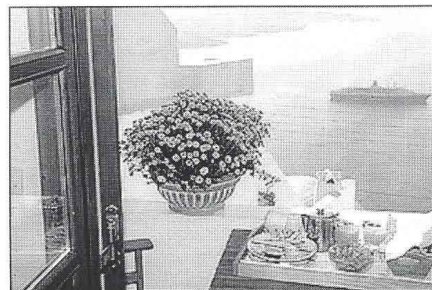


he traditional island architectural style of the **Kavalari** has exterior stairways, which wind down the cliff to various flowered terraces, designed for the exclusive enjoyment of our

guests.



he hotel has nineteen rooms, all built directly into the cliff. Each room has its own character, some resembling small caves. All rooms have access to a terrace where guests may enjoy tranquil surroundings and spectacular sunsets.



[CLICK HERE TO ENLARGE](#)





NEW *Santorini*
a 2 days wonderful experience
DEPARTURES: DAILY, except Monday Tuesday
PROGRAMME

1st Day:

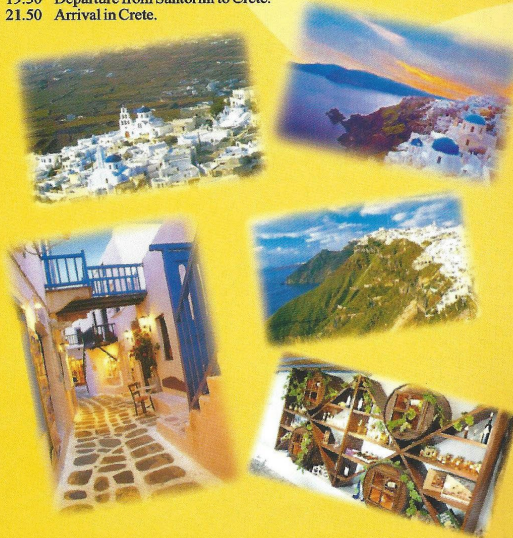
07.30 Departure from Crete with the fast and luxurious Panagia Thalassini.

09.30 Arrival in Santorini, embarkation in coaches and departure for the hotel
(Excursion to volcano optional).

Plenty of time at your disposal for walking around, shopping and swimming.

In the afternoon you can visit the town of Fira and spend your time wondering in the picturesque narrow streets, tasting the local specialties and admiring the sunset over Caldera. You also have the opportunity to enjoy the night-life of the town.

2nd Day:
Morning Free
14.30 Departure from Kamari, for the wine factory where you can experience the art of fine winemaking and wine tasting at its best.
15.15 Departure for Oia.
15.45 Arrival in Oia. Free time to admire the old neo-classical manors as well as the houses carved from the sheer rock, the manmade cypress that seem to hang in the air on the edge of the precipice. The most graphic village of island with narrow streets and marvelous mansions.
17.00 Departure for Fira.
17.20 Arrival in Fira. Time to visit the capital, make your shopping and enjoy your drink with a bird's view over Caldera.
19.15 Embarkation in the coaches and departure for Athinios.
19.50 Departure from Santorini to Crete.
21.50 Arrival in Crete.



SANTORINI ISLAND

A detailed map of Santorini Island, Greece, showing its volcanic landscape, major towns, and surrounding islands. The map is color-coded with green for agricultural areas, yellow for sandy or volcanic soil, and blue for the sea. Key locations include Oia, Fira, Port Athinios, Pyrgos, and Kamari. The map also shows the surrounding islands of Thirassia, Anafiotika, and the Peloponnese region.

Islands and Surrounding Areas:

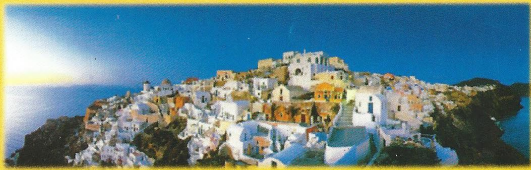
- Thirassia
- Anafiotika
- Peloponnese

Towns and Villages:

- Oia
- Fira
- Port Athinios
- Pyrgos
- Kamari
- Nea Kameni
- Old Port
- Volcano
- Hot Springs
- Armeni
- Mouzaki
- Imbrevigli
- Porto Ferean
- Konteochori
- Karterados
- Messaria
- Vothoras
- Eto Gonia
- Proftis Elias
- Emigdio
- Excavations
- White Beach
- Red Beach
- Kynda
- Perivolos
- Agios Georgios
- Exoniis
- Perissa
- Agios Karterados
- Eto Dyalos
- Porto Vouni/Vuldu
- Bakides
- Kolumbos
- Enikia
- Amnissos
- Potamos
- Adria
- Skaros
- Agios Karterados

Other Features:

- Wine Factory
- Excavations
- White Beach
- Red Beach
- Kynda
- Perivolos
- Agios Georgios
- Exoniis
- Perissa
- Agios Karterados
- Eto Dyalos
- Porto Vouni/Vuldu
- Bakides
- Kolumbos
- Enikia
- Amnissos
- Potamos
- Adria
- Skaros
- Agios Karterados



Travel Agent



Santorini



Santorini



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Santorini



Santorini



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Hotels : Pick a Room and Rate

Electra Hotel

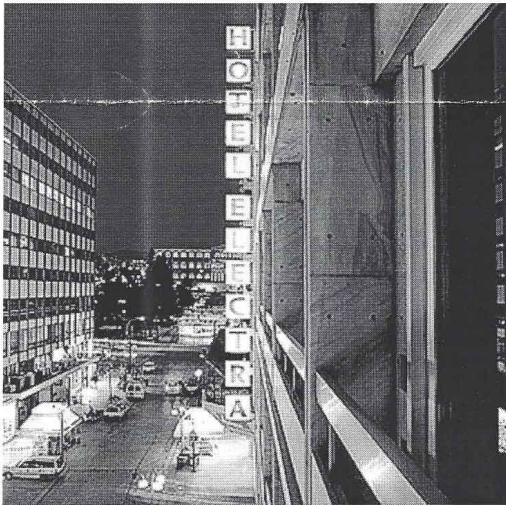
5, Ermou Str
Athens Gr 10563

[map](#) | [Email This Page](#)

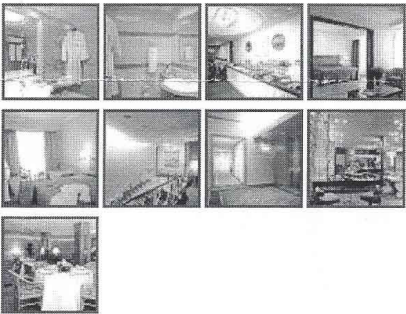
Rates do not include applicable tax recovery charges or our service fees.

Pick a Room and Rate	Average Nightly Rate	Aug 4	Aug 5	Aug 6
Standard Double/Twin Room & Rate Details - View Cancellation Policy	\$ 151.00 BOOK IT	\$ 151.00	\$ 151.00	\$ 151.00
Standard Triple Room & Rate Details - View Cancellation Policy	\$ 173.00 BOOK IT	\$ 173.00	\$ 173.00	\$ 173.00

Hotel Details



Click photo to view



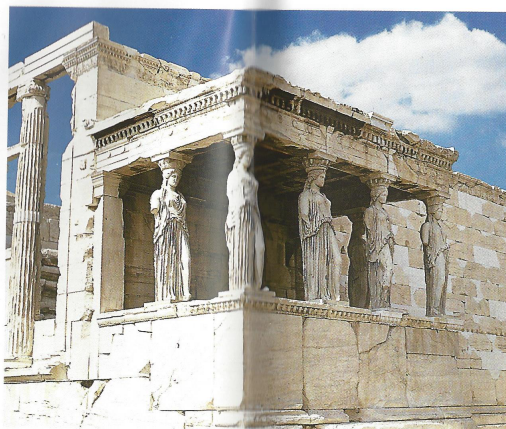
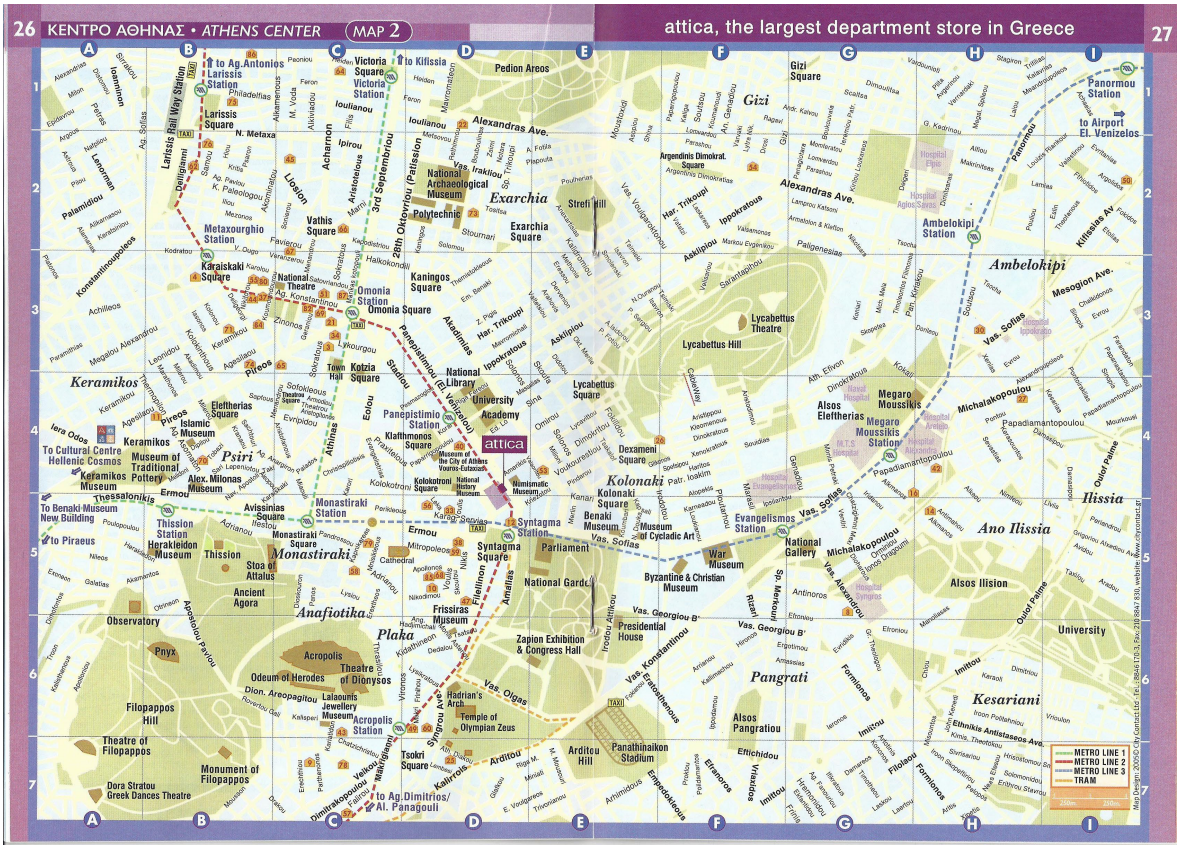
The modern Electra Hotel is located in the centre of Athens, 100 meters from Syntagma Square and 800 meters from the Acropolis. The 109 air-conditioned guestrooms have soft neutral décor with wood furnishings. All include minibars, safes, Internet connections, satellite television and bathrooms with bathrobes, hair dryers and complimentary toiletries.

In the Mezzanine Restaurant guests can enjoy an American style buffet breakfast or choose from an à la carte lunch and dinner menu of Mediterranean dishes. Drinks, cocktails and snacks are also served in an informal setting in the hotel's lobby area and guests can take advantage of room service until midnight. For those wishing to explore the local area, the hotel's concierge can advise on the best nearby attractions. Babysitting services are on offer for those with children and parking is available nearby for guests arriving by car. A naturally lit conference room equipped with the latest audio-visual technology and with capacity for up to 50 people is located on the mezzanine level of the hotel. The hotel is well placed for sightseeing and leisure activities, with restaurants, shops, bars, the Acropolis, Parthenon, Zappeion Hall, National Gallery, Museum of Greek Folk Art and Temple of Athena Nike all within one kilometre. Athens Airport is 35 kilometres from the hotel. All buses depart from the arrivals level of the main terminal between doors 4 and 5. Two bus routes connect the airport with central Athens: line E95 and line E96. Taxis are also available.

Property Amenities

- Bar
- Business Services Available
- Wake Up Service
- Conference Center - ROOMS

<http://www.hotels.com/property.jsp?mtnHotelID=270128&page=info&numadults=2&numchildren=0&nu...> 6/1/2005



απεικονίζονταν η πομπή των Παναθηναίων. Στο εσωτερικό του ναού ήταν στημένο το χρυσελεφάντινο λατρευτικό άγαλμα της θεάς, έργο του Φειδία.

Στη βόρεια πλευρά του πλατώματος του λόφου χτίστηκε γύρω στο 420 π.Χ. το Ερέχθειο, που συστέγασε παλαιότερες λατρείες. Ο ναός είναι ιωνικού ρυθμού και έχει πολύπλοκο σχέδιο. Ανατολικά έχει πρόσκαση με έξι ιωνικούς κίονες, βόρεια ένα ημι-κυκλικό πρόπυλο με διακοσμημένη θύρα και νότια μια πρόσκαση με έξι κόρες, τις γνωστές Καρυάτιδες, που στηρίζουν τη στέγη. Ο κυρίως ναός ήταν χωρισμένος σε δύο μέρη, όπου λατρεύονταν η Αθηνά και ο Ποσειδώνας-Ερεχθίας.

Μικρότερα ιερά και άλλα κτίρια, καθώς και μαρμάρινα και χάλκινα αγάλματα, αναθήματα στη θεότητα, ήταν διάσπαρτα στον ελεύθερο χώρο του βράχου, ανάμεσα στα μεγάλα ιερά που αναφέραμε.



E ntrance to the Acropolis is from the west, by way of the Propylaea. This building was the work of the architect Mnesikles and was erected in the years 437-432 BC. It consists of a central building and two wings. The north wing had paintings or frescoes on its walls, and is therefore known as the Pinakothekē ("Art Gallery"). The small Ionic temple of Athena Nike was erected to the south of the Propylaea about 420 BC. The architect of this temple was Kallikrates. It had four Ionic columns at both the front and back. A marble protective balustrade with relief figures of Nike encircled the top of the bastion on which the temple was built. The Parthenon, a temple dedicated to the goddess Athena, was the earliest

of the Classical monuments on the Acropolis, which were built in the second half of the 5th c. BC to replace the earlier buildings destroyed when the Persians burned the Athenian Acropolis in 479 BC. Perikles was the inspiration behind the building of the temple and the work was directed by Phidias. The architects of the Parthenon, which was constructed and decorated between 447 and 432 BC, were Iktinos and Kallikrates. The Parthenon is a Doric peristyle temple with eight columns on the ends and seventeen on the sides. The columns, walls and sculptural decoration are of white Pentelic marble.

All the upper parts of the temple were decorated. On the outside, the metopes were carved with the battle of the gods and Giants (Gigantomachy) on the east side, of the Lapiths and Centaurs (Centauromachy) on the south, of the Athenians and Amazons (Amazonomachy) on the west, and the Trojan War on the north side. The two pediments had scenes from myths connected with the goddess Athena: the birth of the goddess in the presence of the other gods, on the east pediment, and her contest with Poseidon for Athens on the west. The walls of the cella were encircled by a relief frieze depicting the Panathenaic procession. The chryselephantine statue of the goddess by Phidias stood inside the temple.

The Erechtheion was built about 420 BC on the north side of the flat summit of the hill and housed earlier cults. It is an Ionic temple, with a complex design. On the east side is a porch, with six Ionic columns, on the north a monumental propylon and on the south a porch, the roof of which is supported by six figures of maidens, the famous Caryatids. The cella was divided into two parts, in which Athena and Poseidon-Erechtheus were worshipped.

The space between the large sanctuaries mentioned above was filled with smaller sanctuaries and other buildings as well as with bronze statues dedicated to the gods.



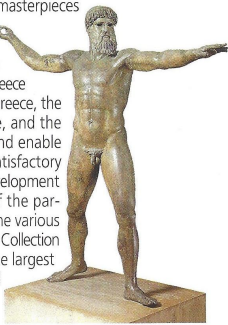
Η Συλλογή Γλυπτών παρουσιάζει την εξέλιξη της αρχαίας ελληνικής γλυπτικής από τον 8ο αι. π.Χ. έως τα τέλη του 4ου αι. μ.Χ. Τα γλυπτά που ανασταύουν, νοητά από τα οποία είναι αριστουργήματα και αποτελούν σταθμούς στην ιστορία της τέχνης, προέρχονται από την Αθήνα και άλλες περιοχές της Ελλάδας – Θεσσαλία, Στερεά Ελλάδα, Πελοπόννησο, Κρήτη και νησιά του Αιγαίου –, ώστε ο επισκέπτης να σχηματίζει μια ολοκληρωτική εικόνα της εξέλιξης, αλλά και της ιδιαιτερότητας των διαφόρων τοπικών εργαστηρίων.

The Museum building, a protected monument in itself, was founded in 1866 on a plot donated by Eleni Tositsa. Its construction was based on designs by the architects L. Lange and P. Kalkos. The final form of its facade was the work of E. Ziller, who also supervised the work until 1889, when the west wing was completed. The present building took form gradually in the 20th century with a series of additions on the east side. In its galleries can be traced the long evolution of ancient Greek culture. The Museum's Collections – Prehistoric, Sculpture, Vases and the Minor Arts, Bronze, and Egyptian Antiquities – are amongst the most comprehensive in the world, and contain finds dating from the 7th millennium

BC to the 5th c. AD. The Prehistoric Collection consists of unique works of art representing the major civilisations that flourished in the Aegean from the 7th millennium to about 1050 BC. It includes objects from the Neolithic period and the Bronze Age, from mainland Greece, the Aegean islands and Troy. The most important exhibits are the treasures from the royal tombs at Mycenae, the famous Cycladic marble figurines, and the superbly preserved wall-paintings from Thera with their large-scale compositions. These objects are on display in rooms 3-6 on the ground floor and room 48 on the first floor.



The Sculpture Collection presents the development of ancient Greek sculpture from the 8th c. BC to the end of the 4th c. AD. The sculptures comprising it, many of which are masterpieces and landmarks in the history of art, come from Athens and other parts of Greece – Thessaly, central Greece, the Peloponnese, Crete, and the Aegean islands – and enable visitors to form a satisfactory idea both of the development of sculpture and of the particular features of the various local workshops. The Collection contains some of the largest groups of original sculptures in the world.



Χειμερινό ωράριο (από 16η Οκτωβρίου έως 31η Μαρτίου)
Δευτέρα: 10.30-17.00
Τρίτη-Κυριακή: 8.30-15.00
Αργίες: 8.30-15.00
Το Μουσείο παραμένει κλειστό την 1η Ιανουαρίου, 25η Μαρτίου, 1η Μαΐου, Κυριακή του Πάσχα, Χριστούγεννα και δεύτερη ημέρα Χριστουγέννων. Τη Μεγάλη Παρασκευή το Μουσείο λειτουργεί 12.00-17.00.

OPENING DAYS AND HOURS
Summer hours (1st April to 15th October)
Monday: 12.30-19.00
Tuesday-Sunday: 8.00-19.00
Holidays: 8.30-15.00

Winter hours (16th October to 31st March)
Monday: 10.30-17.00
Tuesday-Sunday: 8.30-15.00
Holidays: 8.30-15.00
The Museum is closed on 1st January, 25th March, 1st May, Easter Sunday, Christmas Day and Boxing Day. On Good Friday, the Museum is open 12.00-17.00.



Greece



Greece



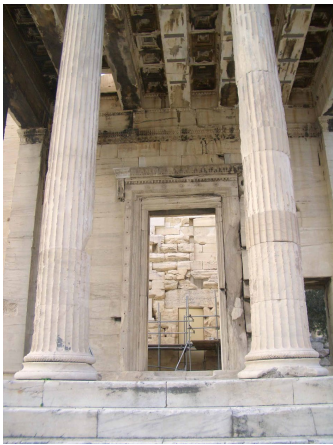
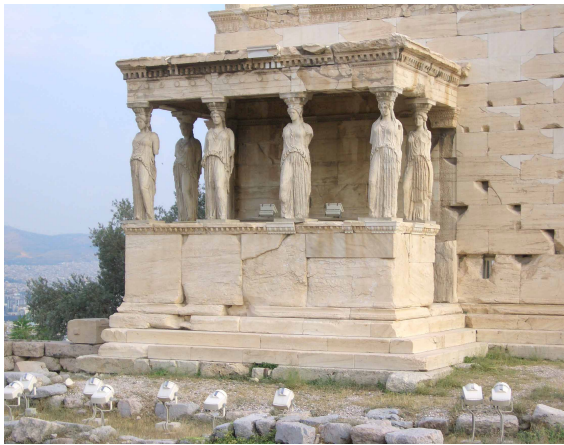
Greece



Greece



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Greece



Greece



Greece



Greece



Delphi, Greece



Delphi, Greece



Delphi, Greece



Delphi, Greece



Delphi, Greece

TRAVELS NOW AND THEN

© Christopher Earls Brennen

PHILADELPHIA 2005



Roxburgh, Philadelphia



Roxburgh, Philadelphia



Roxburgh, Philadelphia



Roxburgh, Philadelphia



Roxburgh, Philadelphia



Roxburgh, Philadelphia

[Back to table of contents](#)

*Last updated 7/30/99.
Christopher E. Brennen*

360 Olive Tree Lane
Sierra Madre, CA 91024
Sep.22, 2005

Eldon Franklin
Wastewater Division
Department of Design & Construction
City and County of Honolulu
Honolulu, Hawaii

Eldon:

Thank you for the opportunity to visit with you and to provide technical support in evaluating the Hart Street pumping station. Here is my invoice for the Sept.19-22 visit to Honolulu:

INVOICE

Date	Activity	Days	\$\$\$
Consulting Fees:			
Sep.19-21, 2005	Visit to Honolulu	3	
		<hr/>	
Total Consultation	(Rate = \$1600/day)	3	\$4800.00
Travel Expenses:			
Sep.19, 21, 2005	United Airlines, LAX/Honolulu*		\$1147.51
Sep.19-21, 2005	Hotel, Honolulu*		\$490.86
Sep.19, 2005	Breakfast		\$11.00
Sep.19, 2005	Dinner		\$8.00
Sep.20, 2005	Dinner		\$25.00
Sep.21, 2005	Lunch		\$10.00
Sep.21, 2005	Taxi, Honolulu		\$23.00
Sep.21, 2005	Parking, LAX*		\$49.34
Sep.19,21, 2005	Auto. 60mi at 0.32/mile		\$19.20
			<hr/>
Total travel:			\$1783.91
			<hr/>
Total Due			\$6583.91

* Receipt attached

Please remit payment to me at the above address. Thank you.

Christopher E. Brennen



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OC OUTSIDE

OC METRO

By Renne Gardner

Also featuring | [Rappelling](#) | [Ranking the Canyons](#) |

Canyoneering

Adventure sport requires multiple skills and an emphasis on safety.

When the recent heavy rains dislodged boulders and debris that had covered the waterfalls of Rubio Canyon above Altadena since 1998, 63 year-old Christopher Brennen of Sierra Madre was out the door to see for himself. Not from a distance, but up-close and personal, bouldering, rappelling, climbing and wading. Brennen negotiated the canyon and such waterfalls as Grand Chasm, Lodged Boulder and Thalehaha with rope and climbing skills in an outdoor adventure sport that has become known as canyoneering.

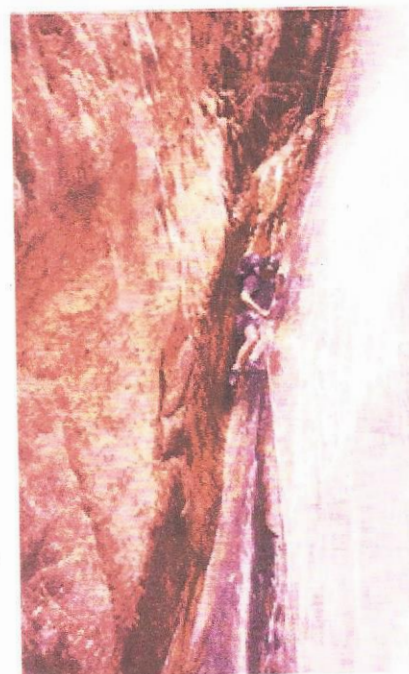
A professor of mechanical engineering at Cal Tech, Brennen says he's been exploring canyons for 30 years. Canyoneering for Brennen was a natural progression from hiking and an outdoor exploring bug. "I was canyoneering even before there was a word for it," he says.

The skills and equipment for safe canyoneering, however, go beyond those needed for hiking. The successful canyoneer must be proficient in rock climbing, rappelling, route finding and pr. Significant risk factors include rugged terrain, flash floods, prolonged immersion in water settings for evacuation or rescue.

Brennen says he's had no close calls in his many years of exploring canyons throughout southwest. "It pays to be a mechanical engineer," he explains. "We know how to design up. This is especially important in placing anchors. I'm very careful about safety."

Although class 1 and 2 rated canyons are doable for most hikers (see sidebar regarding ratings), more difficult canyons require technical climbing and rope skills. In addition to n gear, canyoneering equipment needed for more difficult canyons includes climbing helm rope, accessory cord, webbing and mechanical climbing devices such as rappel rings, c belay devices and tie-in slings. Wet suits, dry bags and waterproof hiking boots also cor some canyons.

The risks of canyoneering made the national headlines earlier this year when Colorado outdoorsman Aron Ralston's arm was pinned by a massive boulder in Southern Utah's c during a solo hike. After five days of futile attempts to move the boulder, Ralston made tl difficult decision to sever his arm to free himself. Brennen applauds Ralston for the abilit himself, but upbraids him for some fundamental mistakes.



A hiker descending Thaleh Falls in Rubio Canyon

"Incredible story," says Brennen. "No one can fail to be amazed by what he did. But he is a foolish mistakes. I would reprimand my students for going alone and not leaving an itiner someone."

Flash floods are another potentially fatal canyoneering hazard. In 1997, an El Niño gene dumped rain about 15 miles away from Antelope Canyon, a popular slot canyon located Arizona. Slot canyons are very narrow canyons cut by water through sandstone mesas. thunderstorm warning had been issued for the area, Antelope Canyon got only a sprinkli

The distant storm, however, unleashed a torrent of water that grew in strength and dead traveled through the narrow canyons of the area. 12 hikers were killed when the wall of v boulders slammed into them and swept them down stream.

Experienced canyoneers advise hikers to take immediate refuge at higher elevations wh a stream begins to rise quickly. Even in the steepest canyons, they say, there often are t is possible to climb above the stream to safety. However, experts warn that it's best to a canyoneering during rain and usually for several days afterwards.

Rewards outweigh risks

The risks of the sport don't deter 48 year-old Rancho Santa Margarita resident Lee Eism computer consultant discovered the sport only recently and says that canyoneering allow locations that the average hiker can only dream about. "Each experience is an adventure your skills," he says.

Although Eismann is new to the sport, he's taken it up in a big way. "I think the major app the myriad skills involved," he says. "And I love water." Canyoneering often involves wat wading, swimming, rappelling down waterfalls, and negotiating natural water slides.

This past summer, Eismann and his girlfriend, Trudy Rutland, canyoneered for the first ti Antonio Creek, which flows off of Mt. Baldy, the highest peak in the San Gabriel Mountai canyoneering in San Antonio Creek requires bushwhacking, swimming, wading, down-cl as scree-scrambling and scree-surfing. In addition, there are five rappels, with three of th waterfalls of the creek. Although normally made to the side of falls, on hot days anyone descend through the middle of a waterfall. Needless to say, Eismann was hooked.

Eismann's local favorite is a class-1 canyon known as the "Bridge to Nowhere and Beyond Fork of the San Gabriel River. "Once you reach a bridge after 4-5 miles," he says about t enter a section of the canyon known as The Narrows, with granite walls towering over yc of the river."

Although the Bridge to Nowhere hike can be done anytime of year, certain seasons are l canyoneering than others. The best season for canyoneering, according to Brennen, dep canyon. Death Valley is best in the winter, he says, because of the heat of summer. He l summer for southern Utah's canyonlands.

Eismann considers summer to be the best season in our local canyons because there is rain and the water can be refreshing during the heat of the day. Fall and spring are bette explore the canyons of the Colorado Plateau (site of Antelope Canyon) because of the d summer thunderstorms.

Brennen tries to get out and canyoneer almost every weekend. His favorite canyon in the Mountains is Fox Canyon near the Big Tujunga Reservoir. With towering canyon walls, s waterfalls and deep pools, Fox Canyon, according to Brennen, should only be tackled du summer when the water level is low. Brennen calls Fox Canyon the most exciting adven San Gabriels.

Several lifetimes' worth of adventure

Even after 15 years of serious canyoneering, Brennen says there are several lifetime's v

canyons in the southwest and in the Sierra that he'd still like to explore. In addition to rec waterfalls of Rubio Canyon, he's recently been exploring canyons in Death Valley.

Eismann sums up the character of a successful canyoneer. "I think you have to have a s adventure with the ability to inherently trust your equipment," he says. "And you must ha plan your adventure and then think on your feet should problems arise."

Many canyons require both the training and equipment to rappel down cliffs and waterfal should attempt canyoneering without the proper training. ocm

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Renne Gardner is OC METRO Magazine's OC Outside columnist. Letters to the editor g Feedback@ocmetro.com.

Don't be Repelled by Rappelling

Many canyons require both the training and equipment to rappel down cliffs and waterfal to Christopher Brennen, a professor of engineering and canyoneering expert, it is fairly s to rappel. Brennen says he learned some simple rock craft at the age of 53. Brennen's w [www.dankat.com/advents/ content.htm](http://www.dankat.com/advents/content.htm) contains details of his canyoneering adventures i arranged with the most difficult first and the easier toward the end. In each case, he says as much useful information as possible without spoiling the sense of adventure.

Lee Eismann, a canyoneer who lives in Rancho Santa Margarita, also recommends prof instruction. "Don't assume that your rock climbing skills at the local gym will prepare you canyoneering," he says. Eismann has compiled comprehensive canyoneering informatio page at: mysite.verizon.net/reso7edb/canyoneering_info.htm OCM

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Ranking the Canyons

The American Canyoneering Association (ACA) formed by Rich Carlson of Cedar City, L loose-knit organization dedicated to promoting the safe practice of the sport. ACA provid opportunities, meetings for members to exchange information and networking opportunit others of like mind to explore canyons.

ACA canyon ratings go from 1 to 4 as follows:

- Canyon hiking. Non-technical; no rope required. May involve some easy scrambling re occasional use of hands for balance and support.
- Basic canyoneering. Scrambling, easy vertical or near vertical climbing and/or down-cl requiring frequent use of hands. Rope recommended for hand lines, belays, lowering pa possible emergency use. Exit and/or retreat possible without ascending fixed ropes.
- Intermediate canyoneering. Exposed technical climbing. Down-climbing could be difficu dangerous; most people will rappel instead. Rope required for belays and single-pitch ra

natural or fixed anchors. Retreat up canyon will require ascending fixed ropes.

- Advanced canyoneering. Route may involve any combination of the following: difficult free climbing and/or down-climbing; climbing using direct aid; multi-pitch rappels; complete or partial rappels; rappelling over or around natural anchors; advanced problem-solving and anchor-building skills.

Source: www.canyoneering.net/about.html OCM

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TEACHING QUESTIONNAIRE, Fall 2005Instructor Name Chris Brennan Course Number ME19 Your Class Junior

Please complete and take to Leah Carlson in 102 Thomas, or mail in an envelope to Leah Carlson, MS 104-44.

A = Excellent, B = Above Average, C = Average, D = Below Average, E = Far Below Average, NA = Not Applicable or No Opportunity to Observe

This instructor:

- | | | | | | | |
|--|----------|---|---|---|---|----|
| 1. Has command of the subject. | <u>A</u> | B | C | D | E | NA |
| 2. Was well prepared for class and gave presentations which were organized and clear. | <u>A</u> | B | C | D | E | NA |
| 3. Was responsive to the class, e.g., welcomed questions and discussion as class size and other circumstances permitted. | <u>A</u> | B | C | D | E | NA |
| 4. Made course requirements and course grading criteria clear. | <u>A</u> | B | C | D | E | NA |
| 5. Are the number of units of this course reasonable? | <u>A</u> | B | C | D | E | NA |
| 6. Returned tests, papers and assignments in a reasonable time period. | <u>A</u> | B | C | D | E | NA |
| 7. Instructors' availability outside of class. | A | B | C | D | E | NA |
| 8. How useful was the homework? | <u>A</u> | B | C | D | E | NA |
| 9. The probability that I would recommend this instructor to another student is | <u>A</u> | B | C | D | E | NA |

For laboratory courses:

- | | | | | | | |
|--|---|---|---|---|---|----|
| 10. Experiments were informative and challenging. | A | B | C | D | E | NA |
| 11. Lab materials were available and equipment was in good repair. | A | B | C | D | E | NA |

Comments:

It was great having a class where the prof had a coherent lesson plan that they clearly and effectively communicated. The pace of the course was ideal; we covered everything we were supposed to, and I didn't feel that anything was rushed. This class was fun.

Comments:

Prof. Brennen is the only ME instructor that I've had so far who I would call "a good lecturer" w/o further qualification b/c: (1) He presented the course material clearly, completely, and in logical order.
(2) His lectures weren't overwhelmingly boring.

Comments:

Prof. Brennen is a wonderful instructor whose class I enjoy.
The class format is perfectly fine.

Comments:

The professor is very responsive, ~~his knowledge of the fluid mechanics~~
~~provides gives us outside examples on~~
he gives us outside examples ~~of~~ of the ~~app~~ applications
of fluid mechanics. best professor at Caltech. 😊

TEACHING QUESTIONNAIREInstructor Name: Chris BrennenCourse No.: ME19a 1st Term 2004/05You are a: ☐ Freshman ☐ Sophomore ☒ Junior ☐ Senior ☐ Graduate Student

You are being asked to provide your opinion regarding the effectiveness of your instructor in the attitudes or behaviors listed below. You may supplement this anonymous questionnaire with a formal signed letter to the Chairman of the Division of Engineering and Applied Science. Return this form in a sealed envelope to Tania Davis, EAS Division Office, 104-44.

A= Excellent B= Above Average C= Average D= Below Average E= Far Below Average
 NA= Not Applicable or No Opportunity to Observe

This instructor:

- | | | | | | | |
|--|-----|---|---|---|---|----|
| 1. Has command of the subject. | (A) | B | C | D | E | NA |
| 2. Was well prepared for class and gave presentations which were organized and clear. | (A) | B | C | D | E | NA |
| 3. Was responsive to the class, e.g., welcomed questions and discussion as class size and other circumstances permitted. | (A) | B | C | D | E | NA |
| 4. Made course requirements and course grading criteria clear. | (A) | B | C | D | E | NA |
| 5. Are the number of units of this course reasonable? | (A) | B | C | D | E | NA |
| 6. Returned tests, papers and assignments in a reasonable time period. | (A) | B | C | D | E | NA |
| 7. Instructors' availability outside of class. | (A) | B | C | D | E | NA |
| 8. How useful was the homework. | (A) | B | C | D | E | NA |
| 9. The probability that I would recommend this instructor to another student is: | (A) | B | C | D | E | NA |

For laboratory courses:

- | | | | | | | |
|--|---|---|---|---|---|------|
| 10. Experiments were informative and challenging. | A | B | C | D | E | (NA) |
| 11. Lab materials were available and equipment was in good repair. | A | B | C | D | E | (NA) |

Comments:

Great teacher, made it interesting + fun.

Comments:

The best instructor I've had in a science course, bar none. Prof. Brennen was very well prepared, and even more so, has clearly put a lot of thought into how students learn, how to present material in a way that facilitates an intuitive grasp of the concepts without sacrificing rigor. I wish more professors cared this much. I'm sorry I got sick and had to miss a couple of weeks — catching up is so painful!

(over)

Comments:

Prof. Breunen is one of the Best lecturers on campus and genuinely cares about the well-being of students as well as how much they learn.

Comments:

This class is one of the few where I understand all of what's going on. Chris Breunen's lectures are clear!

Comments:

Chris Breunen is super awesome.

(over)

TEACHING QUESTIONNAIREInstructor Name: Christopher BreunnenCourse No.: ME196 2nd Term 2004/05You are a: ☐ Freshman ☐ Sophomore ☒ Junior ☐ Senior ☐ Graduate Student

You are being asked to provide your opinion regarding the effectiveness of your instructor in the attitudes or behaviors listed below. You may supplement this anonymous questionnaire with a formal signed letter to the Chairman of the Division of Engineering and Applied Science. Return this form in a sealed envelope to Tania Davis, EAS Division Office, 104-44.

A= Excellent B= Above Average C= Average D= Below Average E= Far Below Average
 NA= Not Applicable or No Opportunity to Observe

This instructor:

- | | | | | | | |
|--|-----|---|---|---|---|----|
| 1. Has command of the subject. | (A) | B | C | D | E | NA |
| 2. Was well prepared for class and gave presentations which were organized and clear. | (A) | B | C | D | E | NA |
| 3. Was responsive to the class, e.g., welcomed questions and discussion as class size and other circumstances permitted. | (A) | B | C | D | E | NA |
| 4. Made course requirements and course grading criteria clear. | (A) | B | C | D | E | NA |
| 5. Are the number of units of this course reasonable? | (A) | B | C | D | E | NA |
| 6. Returned tests, papers and assignments in a reasonable time period. | (A) | B | C | D | E | NA |
| 7. Instructors' availability outside of class. | (A) | B | C | D | E | NA |
| 8. How useful was the homework. | (A) | B | C | D | E | NA |
| 9. The probability that I would recommend this instructor to another student is: | (A) | B | C | D | E | NA |

For laboratory courses:

- | | | | | | | |
|--|---|---|---|---|---|----|
| 10. Experiments were informative and challenging. | A | B | C | D | E | NA |
| 11. Lab materials were available and equipment was in good repair. | A | B | C | D | E | NA |

Comments:

Strikingly, the best teacher/lecturer
 I've had at Caltech. Makes the
 students really enjoy learning the subject

(over)

PSN DEC 3, 2005

Historic grave open to public

BY KIMM GROSHONG
STAFF WRITER

ALTADENA — A judge has confirmed the public's right to visit the historic grave site of Owen Brown, the abolitionist and son of John Brown "the liberator."

Pasadena Judge C. Edward Simpson this week ruled in favor of a trails group known as Save the Altadena Trails in the case it brought against Michael Cichy, owner of the knoll where Brown was buried in 1889.

'[The grave site] really resonates with people.'

Paul Ayers, attorney

Since he purchased the land in January 2002, Cichy has been cited for county violations and allegedly yelled at hikers and posted "No Trespassing" signs to discourage visitors from using the path across his land.

Cichy, who represented himself

in court, could not be reached for comment.

Paul Ayers, the trail advocate and attorney who represented the trails group, brought 15 witnesses to the stand to help establish that the trail leading to the grave site had been in continuous public use since the 1880s.

"What the court has done is it has said there has been a dedication there since the 19th century," Ayers said. Therefore, he said,

Please turn to BROWN / A6



A BIT OF HISTORY:

Owen Brown, son of abolitionist John Brown, and his brother, Jason, built a cabin above the area known today as The Meadows in Altadena in the 1880s. Owen was buried atop the knoll known as Little Round Top in January 1889. His grave site is now accessible to the public.

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The life and acco
Pope John Paul
on a film airing
Wednesday

La Cañada

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students compel
other in the an
Challeng

ssible enterl

LA's disability-frie
www.LA.com/Access



MARKER: A judge has ruled that the public is entitled to visit the grave site of Owen Brown, son of abolitionist John Brown.

BROWN

Public granted access to grave

Continued from A1

Cichy cannot prevent people from using the trail or visiting the grave site once Ayers prepares the judgment and the judge signs it — a process Ayers says should be complete within a week.

Judge Simpson has previously ruled in favor of Save the Altadena Trails. Last year in a case about access to another portion of the same trail, Simpson found that the public's use was "substantial, diverse and sufficient to convey to the owner notice that the public was using the passage as if it had a right so to do." Since

then, the defendants have appealed the ruling.

Shari Asplund, a member of Save the Altadena Trails, said the group was thrilled by the judge's latest decision. "The judge totally understood the big picture," she said.

The Altadena Foothills Conservancy hopes to someday have the opportunity to conserve the property as a historic area. "Certainly one of the things we'd like to do now that we've won this case is to restore the grave site," said Asplund, also a member of the conservancy's board.

The judge's ruling is welcome news to local hikers such as Chris Brennen, a Caltech professor of mechanical engineering. He remembers hiking to the grave site in 2001 for Martin Luther King Jr. Day before the grave marker mysteriously disappeared in 2002.

Brennen said he found it the perfect place to visit to honor King's memory because Owen Brown "represents a struggle that we always face in human rights between striving for what is right and yet trying to do so in a nonviolent way."

He said John Brown and most of his sons were known for their violent approaches to the abolitionist movement. But Brennen said Owen Brown was known to favor a more peaceful way and did not participate in the raid at Harper's Ferry, W.Va.

Tim Gregory, the historical consultant who testified during the trial, said Owen Brown and his brother, Jason, built a cabin and wagon road just above the area known today as The Meadows in Altadena in the 1880s. When Owen died in January 1889, the city of Pasadena gave him a large funeral

that was attended by hundreds. His body was carried by wagon to his final resting place atop the knoll known as Little Round Top.

Gregory said the grave site is historically important not only because of the John Brown association, but especially because of Altadena's diverse population.

"It's kind of a symbol of peace between different kinds of people," he said. "It's really of interest to a lot of people and has meaning to a lot of people."

Ayers said he had so many people wanting to testify about their use of the trail and visits to the grave site that he could have easily put together several days of testimony. "The thing about the grave site," he said, is that "it really resonates with people."

kimm.groshong@sgvn.com
(626) 578-6300, Ext. 4451

Lonely at the bottom

Only a few canyoneers venture into San Gabriels' hidden chasms — and that's the real beauty.

By BILL BECHER
Special to The Times

THE first step backward over the cliff is always the hardest. Chris Brennen checks his harness and peers over his shoulder at the canyon below. Brilliant yellow leaves dapple the surface of the clear, chilly stream that plunges down through Little Santa Anita Canyon.

Brennen is going to rappel beside a 40-foot waterfall. At the lip of the fall the wet granite is smooth and greased with brown and green lichen; an unroped slip could be fatal. But the rocket scientist has stepped into thin air many times before.

The San Gabriel Mountains, minutes away from the galleries and sushi restaurants of Old Pasadena, are heavily used by hikers and mountain bikers. But few have seen up-close the beauty that lies at the bottom of the canyons that slice through the mountains John Muir described as more rigidly inaccessible than the Sierra.

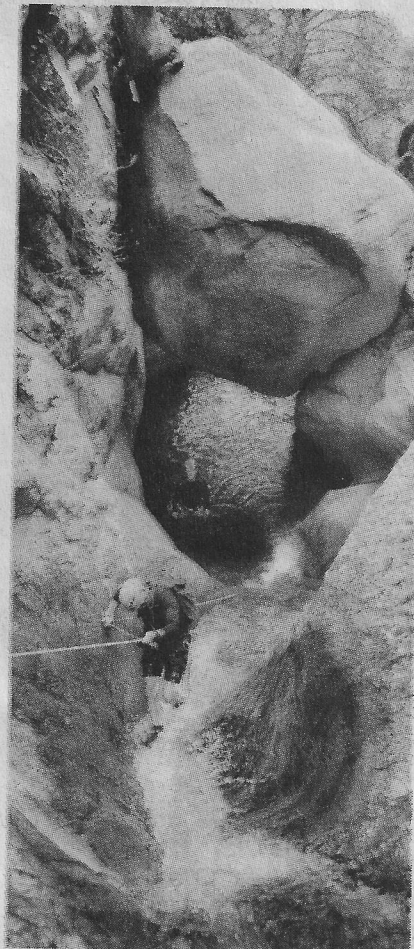
To reach these little-visited granite chasms, Brennen and his friends go canyoneering, a sport more closely associated with the dizzying slot canyons of the Southwest than L.A.'s nearby mountains. For more than a decade, this band of buddies has used gear and techniques borrowed from the rock-climbing world to navigate otherwise impassible off-trail corners of the San Gabes.

"We called it 'adventure hiking' at first because we hadn't heard about canyoneering," says Mark Duttweiler, who has accompanied Brennen on many trips.

Walk up and rap down is the basic plan for canyoneering. Brennen and his companions hike two miles up the Mt. Wilson Trail from Sierra Madre. Before they reach a spot called First Water, Brennen and Duttweiler leave the trail and bushwhack down the side of a steep ravine, carefully pushing aside branches studded with thorns. Poison oak is everywhere.

After scrambling and sliding to the bottom of the canyon, Brennan and crew walk down the creek bed, balancing on stones worn smooth by the water.

Thrust up by a kink in the San An-
[See *Canyoneers*, Page F6]



AL SEIB Los Angeles Times

GOING DOWN: Chris Brennen rappels through a waterfall into Little Santa Anita Canyon.

Walk up, rap down

[Canyoneers, from Page F1]

areas fault, the San Gabriels are among the newest mountains in North America, and the steep canyons are constantly changing after winter rains. Boulders move, pools form and empty, creating a different experience each year.

Brennen rigs a rope through a metal anchor installed by a previous canyoneer. Held in place by an expansion bolt drilled into the rock, the steel hanger provides a secure attachment for ropes. The alternative is a "natural anchor," using a tree or boulder and nylon slings. Canyoneers are divided on the issue. Brennen favors natural anchors, feeling they are more in keeping with a leave-no-trace wilderness ethic, although constructing one often means leaving a piece of 1-inch wide nylon webbing slung around a tree or boulder.

Brennen slowly slides down the rope, feet against the rock. He keeps his speed in check. Although he's wearing gloves, he knows that if he loses control and grabs the rope it could sear his palms.

Losing control on a rap is one way to get hurt canyoneering. The surging runoff from last winter's record rainfall made spring conditions especially hazardous. Conditions have been wet but safer this fall. Still anchors can fail, and sudden storms can cause flash floods. In other areas canyoneers have rappelled into deep moving water, gotten tangled in their equipment and drowned.

Brennen, a professor of mechanical engineering at Caltech who helped NASA design the space shuttle's main engine, says that for him the lure of getting to otherwise inaccessible places outweighs the risks. "You can't get here without technical tools.

GO THERE

Learning the ropes

Canyoneering demands technical skills in route finding, anchor building, rappelling and other special knowledge. Companies in Utah and two organizations in Southern California offer basic to advanced canyoneering classes.

The American Canyoneering Assn.

website, www.canyoneering.net, offers general information about courses, technique, gear and a discussion board for the association's San Gabriel chapter.

Alpine Training Services

in Glendora, www.alpinets.com/canyoneering.html, offers six levels of canyoneering classes, from basic to trip leader.

Chris Brennen's website, www.dankat.com/advents/advents.htm, provides information on canyoneering and detailed route descriptions for

59 canyons in the San Gabriels. Go to www.dankat.com/swhikes/swhikes.htm for tips on canyoneering in the Southwest, the Sierra Nevada and Mexico.

The Zion Adventure

Company in Springdale, Utah, has one- to three-day canyoneering classes and guided trips near Zion National Park. Call (435) 772-0990 or go to www.zionadventures.com.

Zion Rock & Mountain Guides

also in Springdale, offers classes and trips. Call (435) 772-3303 or go to www.zionrockguides.com.

— BILL BECHER

You need a rope to see these waterfalls and beautiful places."

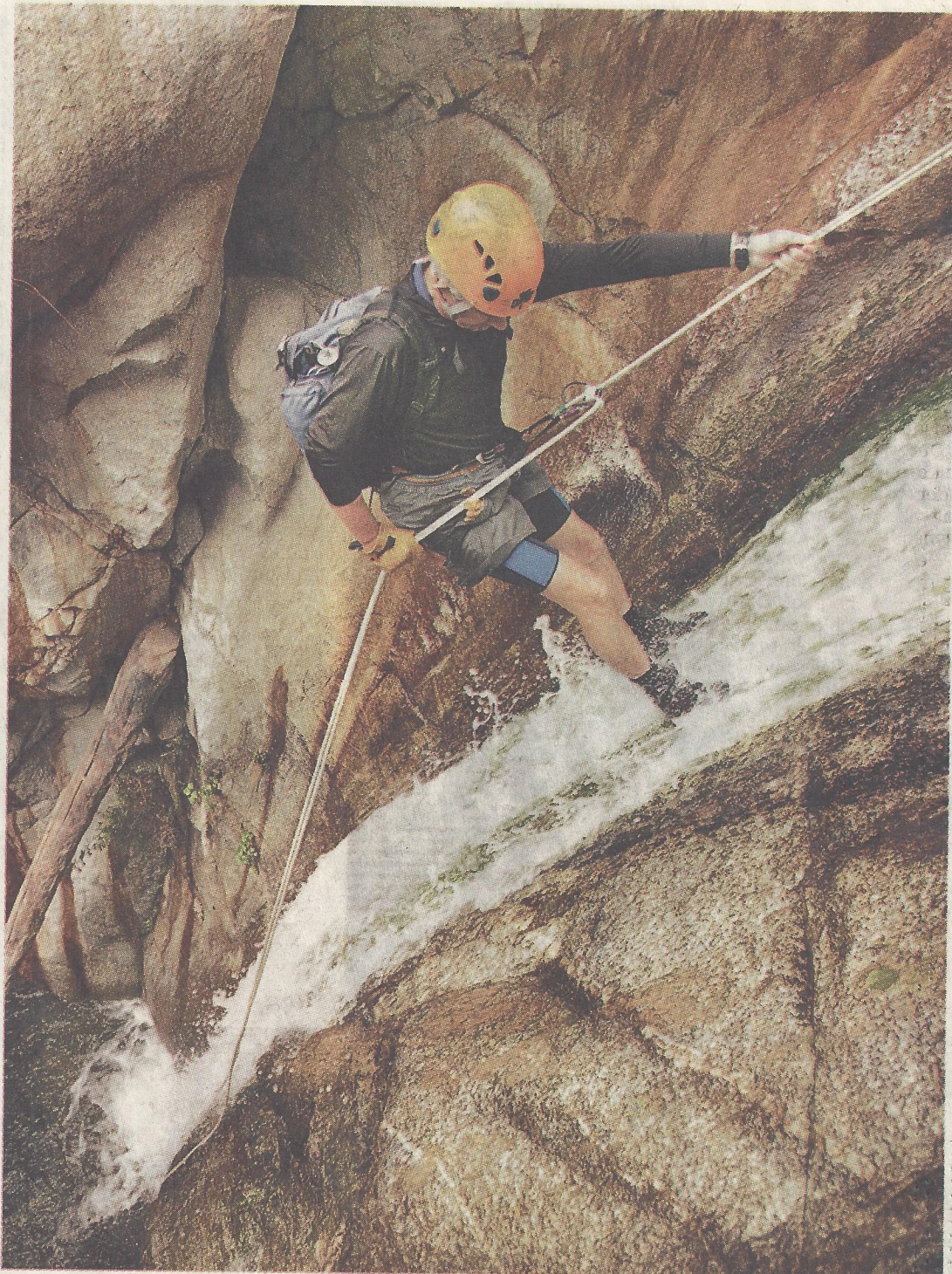
And there's the adrenaline pump that comes from sliding down a rope through a waterfall. Brennen drops out of sight down the rope. The rush of water makes it hard to hear, so he blows a whistle when he's down safely, and Duttweiler, one of Brennen's former students, begins his descent. When he reaches the bottom, Duttweiler pulls the rope loose from the anchor above and carries it to the next drop.

A large boulder bridges the

narrow canyon. Brennen and his crew will slide through the waterfall and under the rock.

There are at least eight rapels that canyoneers must maneuver down to reach the bottom of Little Santa Anita Canyon, and most end in pools of water. The potholes are formed by the constant pounding at the base of the falls. Most are wadeable, but one requires swimming. Duttweiler raps into the pool and floats on his back while he detaches the rope from his rappel device.

[See Canyoneers, Page F7]



RISKS AND REWARDS: *Chris Brennen descends down a steep wall into a canyon. "You can't get here without technical tools. You need a rope to see these waterfalls and beautiful places," he says.*

AL SEIB Los Angeles Times

Canyoneering

Adventure sport requires multiple skills – and an emphasis on safety.

When the recent heavy rains dislodged boulders and debris that had covered the waterfalls of Rubio Canyon above Altadena since 1998, 63 year-old Christopher Brennen of Sierra Madre was out the door to see for himself. Not from a distance, but up-close and personal, bouldering, rappelling, climbing and wading. Brennen negotiated the canyon and such waterfalls as Grand Chasm, Lodged Boulder and Thalehaha with rope and climbing skills in an outdoor adventure sport that has become known as canyoneering.

A professor of mechanical engineering at Cal Tech, Brennen says he's been exploring canyons for 30 years. Canyoneering for Brennen was a natural progression from hiking and an outdoor exploring bug. "I was canyoneering even before there was a word for it," he says.

The skills and equipment for safe canyoneering, however, go beyond those needed for hiking. The successful canyoneer must be proficient in rock climbing, rappelling, route finding and problem-solving. Significant risk factors include rugged terrain, flash floods, prolonged immersion in water and difficult settings for evacuation or rescue.

Brennen says he's had no close calls in his many years of exploring canyons throughout the southwest. "It pays to be a mechanical engineer," he explains. "We know how to design and set things up. This is especially important in placing anchors. I'm very careful about safety."

Although class 1 and 2 rated canyons are doable for most hikers (see sidebar regarding canyon ratings), more difficult canyons require technical climbing and

rope skills. In addition to normal hiking gear, canyoneering equipment needed for more difficult canyons includes climbing helmet, harness, rope, accessory cord, webbing and mechanical climbing devices such as rappel rings, carabiners, belay devices and tie-in slings. Wet suits, dry bags

A hiker descending Thalehaha Falls in Rubio Canyon



and waterproof hiking boots also come in handy in some canyons.

The risks of canyoneering made the national headlines earlier this year when Colorado engineer and outdoorsman Aron Ralston's arm was pinned by a massive boulder in Southern Utah's canyonlands during a solo hike. After five days of futile attempts to move the boulder, Ralston made the extremely difficult decision to sever his arm to free himself. Brennen applauds Ralston for the ability to save himself, but upbraids him for some

DON'T BE REPELLED BY RAPPELLING

Many canyons require both the training and equipment to rappel down cliffs and waterfalls. According to Christopher Brennen, a professor of engineering and canyoneering expert, it is fairly simple to learn to rappel. Brennen says he learned some simple rock craft at the age of 53. Brennen's website www.dankat.com/advents/content.htm contains details of his canyoneering adventures roughly arranged with the most difficult first and the easier toward the end. In each case, he says, he has given as much useful information as possible without spoiling the sense of adventure.

Lee Eismann, a canyoneer who lives in Rancho Santa Margarita, also recommends professional instruction. "Don't assume that your rock climbing skills at the local gym will prepare you for canyoneering," he says. Eismann has compiled comprehensive canyoneering information and links page at:

www.mysite.verizon.net/reso7edb/canyoneering_info.htm **OCM**

fundamental mistakes.

"Incredible story," says Brennen. "No one can fail to be amazed by what he did. But he made some foolish mistakes. I would reprimand my students for going alone and not leaving an itinerary with someone." Flash floods are another potentially fatal canyoneering hazard. In 1997, an El Niño

CONTINUED ON PAGE 104

CALIFORNIA INSTITUTE OF TECHNOLOGY
PASADENA, CA 91125

David Baltimore
President

April 29, 2005

Professor Christopher E. Brennen
360 Olive Tree Lane
Sierra Madre, California 91024

Dear Professor Brennen:

It gives me great pleasure to notify you that at the meeting of the Board of Trustees on April 26, 2005, you were appointed "Richard L. and Dorothy M. Hayman Professor of Mechanical Engineering" for a seven year term, effective May 1, 2005. This action was recommended by the Division of Engineering and Applied Science and approved by the Provost and me.

With this named professorship, the Institute will increase its contribution to your discretionary research pool for that fraction of your salary, which is offset by grants and contracts that bear overhead at the full rate from the current twenty-five percent to one hundred percent.

As a steward of our benefactors' investment in Caltech, I believe it is important to inform the donors about the people, programs and activities that their generosity supports. The Caltech Board of Trustees recognizes this responsibility and has asked the Development Office to initiate an annual cycle to report to donors on professorships their gifts established. Each year, the Development Office will ask you for a brief update of your activities for the academic year. Your continued cooperation with the Development Office in this reporting is vital to our efforts to secure more endowed chairs.

I am happy to be able to recognize the many contributions you have made to the Institute, to the Division of Engineering and Applied Science and to your profession by awarding you this named professorship.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Baltimore", with a stylized, flowing script.

David Baltimore

cc: R. M. Murray

Adventures on the Mountains of the World

CHRISTOPHER E. BRENNEN

Professor of Engineering and Mountain Climber

DOUGLAS MANTLE

Associate, Lawyer, and Mountain Climber

Associates Reception, Dinner, and Program

6:30 PM Reception, The Athenaeum

7:00 PM Dinner and Program

Please reply by April 11, 2005

Monday, April 18, 2005

Associates Phone: (626) 395-3919

Email: associates@caltech.edu

No confirmations will be sent.

There is a strong relationship between Caltech and mountains geographically, scientifically, and recreationally. Mountaineering endeavors including alpine mountaineering, rock climbing, hiking, snow shoeing, skiing, etc. have appealed to many since the beginning. Many tangible results have developed such as new routes, equipment, guide books, and even reflections on the map such as Caltech Peak in the Sierra Nevada and Throop Peak in the San Gabriels.

Join us to hear two members of the Caltech community share their personal mountaineering adventures. Professor Christopher Brennen is an outdoorsman and international mountain climber who not only challenges himself, but is also an inspiration to colleagues, alumni and students. Brennen recently won the Richard P. Feynman Prize for Excellence in Teaching. Douglas Mantle is a world class climber whose conquests include the high points of all seven continents, most notably, Mount Everest.

Cancellation Policy: Refunds will be given for cancellations received prior to Wednesday, April 13th.

MONDAY, APRIL 18, 2005, ASSOCIATES DINNER WITH DR. CHRISTOPHER BRENNEN

Please reply by Monday, April 11, 2005.

Please make _____ Reservation(s) at \$60.00 Per Person. Enclosed \$ _____

Please check if applicable:

☐ Will sponsor a student for dinner and have membership

added an additional \$60.00 per person to the total.

☐ Will bring _____ prospect(s) for

and have added an additional \$60.00 per person to the total.

PLEASE PRINT NAMES FOR NAME TAGS

Daytime Telephone Number: _____

Preferred Email: _____

Please make check payable to: **The Caltech Associates, Mail Code 5-32, Pasadena, California**
91125

Írd-Chonsalacht na hÉireann
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Fax: (415) 392-0885
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www.irelandemb.org

08 March 2005

Dr.C.Brennen
Professor of Mechanical Engineering
California Institute of Technology
1200 East California Boulevard, mail code 206-31
Pasadena
CA.911225

Dear Chris,

I was absolutely delighted to hear of the award to you of the *Richard P. Feynman Prize for Excellence in Teaching*. Comghairdeas! It is well-merited by all accounts and nor is it the first time your teaching talents and concern for your students has shown through.

I would also like to take this opportunity, Chris, to thank you again for your fine words of introduction to the Ambassador on the occasion of our recent visit to the campus. It was a splendid evening and you made us feel welcome in the traditional Irish way.

With kindest personal regards
- le gach béa ghri!

Yours sincerely,

Dónal

Dónal Denham
Consul General of Ireland
Western United States

cc. Dr. Bob O'Rourke

THE ASSOCIATES
of the CALIFORNIA INSTITUTE of TECHNOLOGY

April 25, 2005

Dear Chris,

Thank you for speaking last week at the Associates' dinner last week. Your presentation clearly was a hit! Everyone enjoyed hearing about your outdoor adventures, particularly your canyoneering!

I know that you have an incredibly busy schedule, and we sincerely appreciate your time and willingness to speak to the Associates.

Again, thanks so much!

With warmest regards,



Mail Code 5-32, Pasadena, CA 91125 Telephone 626/395-3919 Fax 626/395-5890
<http://giving.caltech.edu/CA/>

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A dinner to honor
Christopher E. Brennen
Richard L. and Dorothy M. Hayman Professor
of Mechanical Engineering
and recipient of the
2005 Richard P. Feynman Teaching Prize
Wednesday, May 25, 2005
The Library of the Athenaeum

END

*Grilled Jumbo Prawn
with Arugula, Baby Greens
and Pink Peppercorn Vinaigrette*

Cloudy Bay Sauvignon Blanc, 2003

*Pepper Crusted Filet Mignon
with Shallot Red Wine Reduction
Savory Garlic Bread Pudding
Seasonal Vegetables*

Forman Napa Valley Cabernet Sauvignon, 2001

Berries Athenaeum

Selection of Coffee and Tea



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THE CAMPAIGN

Professor Paul C. Jennings
Provost

May 20, 2005

Dr. Christopher E. Brennen
MC 104-44
California Institute of Technology
Pasadena, California 91125

Dear Chris:

Traditionally, appointment to an endowed professorial chair is the highest recognition that an institution of higher learning can bestow on a member of its faculty. Caltech is proud to have the opportunity to recognize your achievements by appointing you to the Richard L. and Dorothy M. Hayman Professorship in Mechanical Engineering.

I have attached background information on the establishment of your professorship for your reference. I trust you will find this informative. Please feel free to contact my office, or Joseph R. Boeke, director of development operations, at (626) 395-8001, with any questions about this narrative.

Yours sincerely,

Paul C. Jennings

PCJ:me

Enclosure

Congratulations on a well-earned honor - Paul


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OC OUTSIDE

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By Renne Gardner

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Canyoneering

Adventure sport requires multiple skills and an emphasis on safety.

When the recent heavy rains dislodged boulders and debris that had covered the waterfalls of Rubio Canyon above Altadena since 1998, 63 year-old Christopher Brennen of Sierra Madre was out the door to see for himself. Not from a distance, but up-close and personal, bouldering, rappelling, climbing and wading. Brennen negotiated the canyon and such waterfalls as Grand Chasm, Lodged Boulder and Thalehaha with rope and climbing skills in an outdoor adventure sport that has become known as canyoneering.

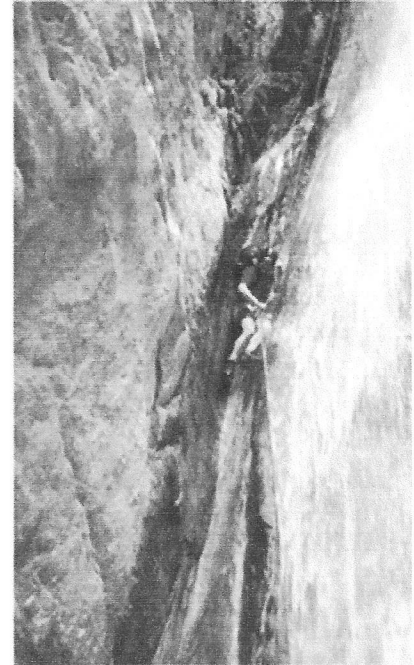
A professor of mechanical engineering at Cal Tech, Brennen says he's been exploring canyons for 30 years. Canyoneering for Brennen was a natural progression from hiking and an outdoor exploring bug. "I was canyoneering even before there was a word for it," he says.

The skills and equipment for safe canyoneering, however, go beyond those needed for hiking. The successful canyoneer must be proficient in rock climbing, rappelling, route finding and pr. Significant risk factors include rugged terrain, flash floods, prolonged immersion in water settings for evacuation or rescue.

Brennen says he's had no close calls in his many years of exploring canyons throughout southwest. "It pays to be a mechanical engineer," he explains. "We know how to design. up. This is especially important in placing anchors. I'm very careful about safety."

Although class 1 and 2 rated canyons are doable for most hikers (see sidebar regarding ratings), more difficult canyons require technical climbing and rope skills. In addition to n gear, canyoneering equipment needed for more difficult canyons includes climbing helm, rope, accessory cord, webbing and mechanical climbing devices such as rappel rings, c, belay devices and tie-in slings. Wet suits, dry bags and waterproof hiking boots also com some canyons.

The risks of canyoneering made the national headlines earlier this year when Colorado e outdoorsman Aron Ralston's arm was pinned by a massive boulder in Southern Utah's c during a solo hike. After five days of futile attempts to move the boulder, Ralston made tl difficult decision to sever his arm to free himself. Brennen applauds Ralston for the ability himself, but upbraids him for some fundamental mistakes.



A hiker descending Thaleh Falls in Rubio Canyon

"Incredible story," says Brennen. "No one can fail to be amazed by what he did. But he n foolish mistakes. I would reprimand my students for going alone and not leaving an itiner someone."

Flash floods are another potentially fatal canyoneering hazard. In 1997, an El Niño gene dumped rain about 15 miles away from Antelope Canyon, a popular slot canyon located Arizona. Slot canyons are very narrow canyons cut by water through sandstone mesas. thunderstorm warning had been issued for the area, Antelope Canyon got only a sprinkli

The distant storm, however, unleashed a torrent of water that grew in strength and dead traveled through the narrow canyons of the area. 12 hikers were killed when the wall of v boulders slammed into them and swept them down stream.

Experienced canyoneers advise hikers to take immediate refuge at higher elevations wh a stream begins to rise quickly. Even in the steepest canyons, they say, there often are p is possible to climb above the stream to safety. However, experts warn that it's best to a canyoneering during rain and usually for several days afterwards.

Rewards outweigh risks

The risks of the sport don't deter 48 year-old Rancho Santa Margarita resident Lee Eism computer consultant discovered the sport only recently and says that canyoneering allow locations that the average hiker can only dream about. "Each experience is an adventure your skills," he says.

Although Eismann is new to the sport, he's taken it up in a big way. "I think the major ap the myriad skills involved," he says. "And I love water." Canyoneering often involves wat wading, swimming, rappelling down waterfalls, and negotiating natural water slides.

This past summer, Eismann and his girlfriend, Trudy Rutland, canyoneered for the first ti Antonio Creek, which flows off of Mt. Baldy, the highest peak in the San Gabriel Mountai canyoneering in San Antonio Creek requires bushwhacking, swimming, wading, down-cl as scree-scrambling and scree-surfing. In addition, there are five rappels, with three of th waterfalls of the creek. Although normally made to the side of falls, on hot days canyone descend through the middle of a waterfall. Needless to say, Eismann was hooked.

Eismann's local favorite is a class-1 canyon known as the "Bridge to Nowhere and Beyo Fork of the San Gabriel River. "Once you reach a bridge after 4-5 miles," he says about t enter a section of the canyon known as The Narrows, with granite walls towering over yc of the river."

Although the Bridge to Nowhere hike can be done anytime of year, certain seasons are l canyoneering than others. The best season for canyoneering, according to Brennen, de canyon. Death Valley is best in the winter, he says, because of the heat of summer. He j summer for southern Utah's canyonlands.

Eismann considers summer to be the best season in our local canyons because there is rain and the water can be refreshing during the heat of the day. Fall and spring are bette explore the canyons of the Colorado Plateau (site of Antelope Canyon) because of the d summer thunderstorms.

Brennen tries to get out and canyoneer almost every weekend. His favorite canyon in the Mountains is Fox Canyon near the Big Tujunga Reservoir. With towering canyon walls, s waterfalls and deep pools, Fox Canyon, according to Brennen, should only be tackled d summer when the water level is low. Brennen calls Fox Canyon the most exciting adven San Gabrieis.

Several lifetimes' worth of adventure

Even after 15 years of serious canyoneering, Brennen says there are several lifetime's w

canyons in the southwest and in the Sierra that he'd still like to explore. In addition to rec waterfalls of Rubio Canyon, he's recently been exploring canyons in Death Valley.

Eismann sums up the character of a successful canyoneer. "I think you have to have a s adventure with the ability to inherently trust your equipment," he says. "And you must ha plan your adventure and then think on your feet should problems arise."

Many canyons require both the training and equipment to rappel down cliffs and waterfal should attempt canyoneering without the proper training. ocm

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Renne Gardner is OC METRO Magazine's OC Outside columnist. Letters to the editor g Feedback@ocmetro.com.

Don't be Repelled by Rappelling

Many canyons require both the training and equipment to rappel down cliffs and waterfal to Christopher Brennen, a professor of engineering and canyoneering expert, it is fairly s to rappel. Brennen says he learned some simple rock craft at the age of 53. Brennen's w [www.dankat.com/advents/ content.htm](http://www.dankat.com/advents/content.htm) contains details of his canyoneering adventures i arranged with the most difficult first and the easier toward the end. In each case, he says as much useful information as possible without spoiling the sense of adventure.

Lee Eismann, a canyoneer who lives in Rancho Santa Margarita, also recommends prof instruction. "Don't assume that your rock climbing skills at the local gym will prepare you canyoneering," he says. Eismann has compiled comprehensive canyoneering informatio page at: mysite.verizon.net/reso7edb/canyoneering_info.htm OCM

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Ranking the Canyons

The American Canyoneering Association (ACA) formed by Rich Carlson of Cedar City, U loose-knit organization dedicated to promoting the safe practice of the sport. ACA provid opportunities, meetings for members to exchange information and networking opportunit others of like mind to explore canyons.

ACA canyon ratings go from 1 to 4 as follows:

- Canyon hiking. Non-technical; no rope required. May involve some easy scrambling re occasional use of hands for balance and support.
- Basic canyoneering. Scrambling, easy vertical or near vertical climbing and/or down-cli requiring frequent use of hands. Rope recommended for hand lines, belays, lowering pa possible emergency use. Exit and/or retreat possible without ascending fixed ropes.
- Intermediate canyoneering. Exposed technical climbing. Down-climbing could be difficl dangerous; most people will rappel instead. Rope required for belays and single-pitch ra natural or fixed anchors. Retreat up canyon will require ascending fixed ropes.

- Advanced canyoneering. Route may involve any combination of the following: difficult free climbing and/or down-climbing; climbing using direct aid; multi-pitch rappels; complete or partial rappels; complex or obscure or indistinct natural anchors; advanced problem-solving and anchor-building skills.

Source: www.canyoneering.net/about.html ocm

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Brennen, Chris

From: Estuar, Michelle
Sent: Wednesday, May 25, 2005 11:44 AM
To: Brennen, Chris
Subject: FW: Feynman brief for Dr. Brennen

You will find a schedule, guest list, and short bios for Bill and Sally Hurt, as well as Michelle Feynman, below.

Thank you,
Michelle Estuar
DAR, Stewardship
MC 5-32, x8420

From: Dodson, Vanessa
Sent: Wednesday, May 25, 2005 11:26 AM
To: Estuar, Michelle
Subject: Feynman brief for Dr. Brennen

Wednesday, May 25, 2005
Athenaeum Library

PROGRAM TIMELINE:

6:30 Guests arrive; champagne, cocktails and hors d'oeuvres
7:00 Toasts and plaque presentation by Dr. Jennings
7:10 Invite guests to take their seats; dinner served

A photographer will be on hand to take pictures during the reception and presentation of the plaque. Vanessa Dodson will be on hand to oversee Athenaeum wait staff until guests are seated and dinner has commenced.

GUESTS:

Mr. and Mrs. Bill and Sally Hurt
Dr. Christopher Brennen and Mrs. Doreen Brennen
Dr. Paul Jennings and Mrs. Missy Jennings
Dr. Richard Murray and RuthAnne Bevier
Ms. Michelle Feynman and Mr. Diego Miralles
Dr. Melany Hunt
Dr. David Wales
Dr. David Goodwin
Mrs. Katharine Alaama, Troy Alaama and Payton Alaama
Mr. Bob McQuinn

Bill and Sally Hurt: Along with the late Robert and Ione Paradise, Bill and Sally Hurt have provided generous funding for the Feynman Teaching Prize, endowed in memory of Professor Feynman. Bill is chairman of Capital Strategy Research, which provides information on broad economic trends and political developments for all of the Capital Group's investment management companies. The Capital Group is among the largest investment management firms in the world with 29 mutual fund groups including the American Funds. He is a former member of and the Board of Counselors for the USC-Marshall School of Business. Bill is also president of the Hurt Foundation, a private foundation which fosters advancement in the arts, higher education, hospitals, libraries and museums. These interests can be seen in the Hurts' involvement with the LA Music Center, Children's Hospital, the Huntington Library and the Armory Center for the Arts in Pasadena. His wife Sally Hurt is also with the Hurt Foundation, and is a member of the Pasadena Art Alliance.

Ms. Michelle Feynman and Mr. Diego Miralles: Michelle is Richard Feynman's daughter; Diego Miralles is her husband. They have two children, Marcos and Ava. She recently edited "Perfectly Reasonable Deviations from the Beaten Track: The Letters of Richard P. Feynman," published in April 2005. She also edited, "The Art of Richard P. Feynman: Images by a Curious Character" (1995).

Bob McQuinn: Associate Vice President for Development

Vannessa Dodson
Manager of Development Communications
California Institute of Technology
Mail Code 5-32
Pasadena, California 91125

626-395-4644
626-395-5892 (fax)

Feynman dinner

I am told not to make a pompous speech – but I feel an irresistible obligation to say a few words of thanks.

First and foremost, I want to thank (Michelle and her family) and Bill and Sally Hurt for their generosity and for this marvelous celebration. I also want to express my deepest gratitude to the memory of the remarkable Richard Feynman whom it was my pleasure to get to know during rehearsals for Shirley Marneus's production of "Guys and Dolls" in the early 1970s. Like many a young Caltech faculty member before and after me, I learnt much from Dick about teaching - not only during his remarkable lectures – but also during impromptu discussions at Frosh Camp on Catalina Island where I remember him sitting on the low stone wall with maybe 50 frosh arrayed on the grass before him - while he told stories of safe-cracking, of particle physics, of Mayan hieroglyphics or a host of other puzzles which he clearly loved.

Two of my ancestors in Ireland were hedge-schoolmasters – and Dick reminded me so much of that Irish tradition - hedge-schoolmasters were traveling bards who would wander from village to village, earning their pennies teaching the village children of their culture and heritage while sitting in the shade of a hedge. Like Dick they enhanced their teaching with their storytelling – a skill that I have tried to emulate. Because teaching requires much more than the conveyance of information – it requires distilling your knowledge to the fundamentals and communicating those with an enthusiasm that will inspire students to wonder.

Another Feynman attribute was his sense of fun - his self-effacing humor. Humor is a tool that is all too readily neglected in the art of teaching. Maybe all new faculty at Caltech should take my course on underwater bicycle racing.

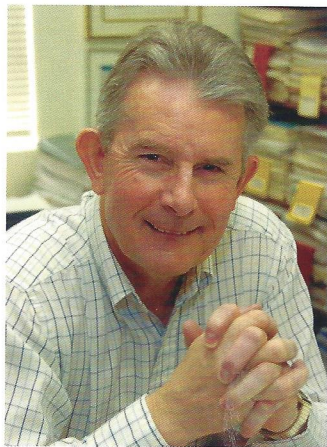
Diego

But to be serious for a moment, I want to say how enormously privileged I have been to have lived out my research and teaching career here at Caltech, in a truly unique institution with remarkably talented faculty colleagues, a dedicated staff and the best students in the world. For that rare gift, I am enormously grateful to Ted Wu, who brought me to Caltech, to Allan Acosta and Rolf Sabersky for their mentorship and friendship and to a host of other friends on the faculty all of whom were especially kind to Doreen and I during our time of family tragedy.

Finally, none of this would have been possible without my family – led as ever by my dear wife of more than 40 years. Doreen and I are blessed with a marvelous loving family and we are delighted that the family is represented here tonight – first by the younger of our two beloved daughters, Kathy Alaama, Kathy take a bow, and also for the first time by two of our four grandchildren, Troy and Payton Alaama – Bonzo and Big Guy – class of 2013 and 2015 ?

Most of all thank you all for coming.

Faculty File



Chris Brennen, above right, who was recently named the Richard L. and Dorothy M. Hayman Professor of Mechanical Engineering, has also won this year's Richard P. Feynman Prize for Excellence in Teaching. Students praised his perpetual enthusiasm and lucid teaching style, which included riding his bike into the swimming pool to demonstrate fluid mechanics.



CALIFORNIA INSTITUTE OF TECHNOLOGY
PASADENA, CA 91125

David Baltimore
President

June 15, 2005

Professor Christopher E. Brennen
360 Olive Tree Lane
Sierra Madre, California 91024

Dear Professor Brennen:

I am pleased to notify you that your salary for the 2005-2006 academic year has been increased to \$205,500, effective October 1, 2005.

With this change in salary, the Institute's contributions to your benefit programs will be adjusted. These adjustments will be reflected in the statement of benefits you will receive later in the year.

Caltech has had an extraordinary year, led as usual by the remarkable accomplishments of our faculty and students. When I talk with our benefactors and potential donors about the Institute, I typically emphasize the pivotal role the faculty plays in assuring the viability of Caltech's unique mission and its continued excellence. Your commitment to the Institute's historically high standards drives the amazing quality of everything we do and allows Caltech to remain at the pinnacle of international science, engineering, social science and humanities.

With your help, our ongoing Campaign has passed the \$1 billion milestone and is already providing the gifts needed to build new buildings, create exciting new research programs, support faculty and students and strengthen the endowment. Accomplishing the financial and programmatic objectives of the Campaign remains a formidable challenge and will require that we continue to work together to secure the robust future for Caltech we all envision. Your faculty colleagues, those of us who serve in the administration and the Board of Trustees appreciate your work on the Institute's behalf in this extraordinary endeavor.

Sincerely yours,

David Baltimore

AROUND PAS

WEDNESDAY, FEBRUARY 2, 2005

ASSOCIATE EDITOR ROBERT RECTOR • (626) 578-6300, EXT. 4439 • robe



LARRY WILSON

A grand night for the Irish

I **LIKED** the simple toast, never before heard by me in Eire or here, that an Irish American made at a Caltech dinner the other night: "Here's to your heart."

Lovely. So was the entire evening put together by Bob O'Rourke in honor of the Irish ambassador to the United States, Noel Fahey, who was making his first trip to Southern California since his appointment in September 2002.

Joining him from Ireland's diplomatic corps was Donal Denham, consul general for the Western U.S., based in San Francisco, where Irish ties are even stronger than they are here, and Finbar Hill, the honorary consul for Southern California.

There's a long tradition of Irish scientists and engineers doing graduate work at Caltech, and these days there are something like nine undergrads as well. Thanks to O'Rourke's famous connections through the Boston-Dublin nexus, in recent years I've hoisted a glass on campus with John Hume, the Northern peacemaker; Seamus Deane, the brilliant critic, poet and novelist; and my old teacher Seamus Heaney.

Three of the most finely tuned political and literary minds on the planet, and they were all born within a few months of each other in County Derry. It is both a remarkable coincidence and a tribute to something indomitable in the Irish gene pool.

So, for that matter, is the person of another Derryman (though born in Belfast), Chris Brennen, the Caltech professor of mechanical engineering and former vice president of student affairs and master of student houses. It's always up to Chris to introduce these countrymen come calling, and he does so with an eloquence that makes you wonder whether literature might have missed something when he took that first in engineering at Oxford instead. And it's always somehow touching to realize that one reason a Brennen didn't know a Deane, a Heaney, a Hume — again, very close contemporaries — in Derry childhood days was that dark old Irish reason: their parents were Catholics, his Protestant. Will we never learn?

Though it's not been my experience with American Foreign Service types, you can almost invariably assume diplomats from other countries are not only bookish but are gifted writers themselves. In Latin America, Octavio Paz, Carlos Fuentes and Pablo Neruda were all dispatched abroad by their governments. It's a tradition we'd do well to emulate. Over a whiskey — Scotch, I'm embarrassed to say — I talked with the ambassador about Bram Stoker, the "Dracula" author who I'd not realized until recently was Dublin-born. Fahey knew all about him — not to mention having helped draft the Treaties of Maasticht and Amsterdam.

Also at the dinner was former Massachusetts Gov. Michael Dukakis, who teaches at UCLA's School of Public Affairs in the winter terms. We were reintroduced, and he brightened at the mention of my newspaper. In contrast with that helmet in the Abrams tank PR disaster, he's really a handsome, dapper, engaging man. "Did you know I was the first Democratic presidential candidate to ever carry Pasadena?" he asked, beaming.

I did not.

Larry Wilson is editor of the Pasadena Star-News. His column appears Wednesday, Friday and Sunday. Write him at larry.wilson@sgun.com.

And-Chomaisacht na hÉireann

Telephone: (415) 392-4214

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irishogy@earthlink.net



Consulate General of Ireland

100 Pine St., 33rd floor

San Francisco, CA 94111

www.irelandemb.org

31 January 2005

Robert L. O'Rourke
Vice President for Public Relations
California Institute of Technology
Mail Code 1-71
Pasadena
CA 91125-7100

RECEIVED

FEB 02 2005

My dear Bob,

BOB O'ROURKE/VICE PRESIDENT
CALTECH PUBLIC RELATIONS

What can I say to express adequately my genuine appreciation for the truly Irish welcome extended to the Ambassador and myself and our respective spouses? Our afternoon and evening at Caltech was a highlight of our visit to LA and a moment of warm hospitality which will live on as a wonderful memory!

Your kindness and that of your staff will be cherished; please convey my personal thanks to all concerned, not least to the young lady, Jenny, who performed an athletic feat in continually walking backwards (!), the like of which I have never seen equalled.

It was lovely to meet the Irish student contingent – and for once, Dublin was well represented among them which was a pleasant surprise to me! But, without doubt, the culinary delight and the illustrious company we shared later in the evening was exceptional and I can only repeat our gratitude to you for going to so much trouble to arrange it.

With kindest personal regards,

Yours sincerely,

Dónal Denham
Consul General of Ireland
Western United States

