

TRAVELS NOW AND THEN

© Christopher Earls Brennan

PALM SPRINGS 1987

Trip to Palm Springs, 1987



On the way in the Oldsmobile Cutlass



Palm Springs



Joshua Tree National Park



Joshua Tree National Park



Joshua Tree National Park





Indian Canyon near Palm Springs



Indian Canyon near Palm Springs



Indian Canyon near Palm Springs

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

JISHO-JI(GINKAKU-JI)

This temple was built in 1482 by the Shogun Yoshimasa Ashikaga as his villa. "Shogun" was a kind of general and held the real power of reigning over Japan in those days. After Yoshimasa's death, it was turned into a temple of the Zen sect according to his will. Although this temple is popularly known as "Ginkaku-ji", the real name is "Jisho-ji". It was named after the priest name of Yoshimasa.

Hondo (Main building)

Ginkaku (Silver Pavilion, National Treasure) In this two-storied building, The statue of Kannon, the Goddess of Mercy, is enshrined upstairs. The interior of the second floor is varnished with black lacquer. The original plan was to cover this building with silver leaf, though it was not carried out. One thousand statues of Jizo, the guardian god of children, is enshrined downstairs.

Togu-do (National Treasure) Yoshimasa's wooden image dressed as a monk is preserved here. In the inner part there is a small room for tea ceremony. From this started the typical tea ceremony room.

Garden This garden was designed by the famous garden designer "Soami". The sand mound in the center is named "Ginshadan" or the sea of silver sand. The shape was modeled after that of the west Lake in China. The furrows on the sand represent the ripples, on which the moonlight was meant to reflect and to brighten the garden at night. The small sand hill of Mt.Fuji-shape is named "Kogetsudai". Shogun Yoshimasa enjoyed watching the moon here.

Notice

Don't trespass on Togu-do and Hon-do.

慈照寺(銀閣寺)

ここは足利八代将軍義政公が将軍職を譲って後、風流に過すため、文明十四年(一四八二)に造営された山荘東山殿の跡である。我が国の文化史上に名高いかの東山時代はここを中心として展開されたが、義政公薨去の後、この山荘は遺命により臨済宗の寺に改められ、公の法号に因んで慈照寺となった。銀閣寺というのは通称である。往時は幾多の殿舎楼閣があり、林泉の美を誇っていたが、いままも銀閣や東求堂或は庭園に東山文化の名残りをみせている。

本堂 本尊釈迦牟尼仏を安置。

東求堂(国宝) 義政公生前の特仏堂、等身法体の義政公木像を安置。東北隅の茶室同仁齋は所謂四畳半のはじまりといわれ、後世茶道の範となっている。

銀閣(国宝) 上層潮音閣には観音像、下層心空殿には千体地藏尊を安置、仏寺と邸宅を巧みに結合した書院造で簡素清淡の中によく東山文化の特徴をあらわす。上層内部は黒漆塗りの痕跡をとどめており、この上に銀箔が貼られる予定であった。

庭園

(特別史跡、特別名勝)

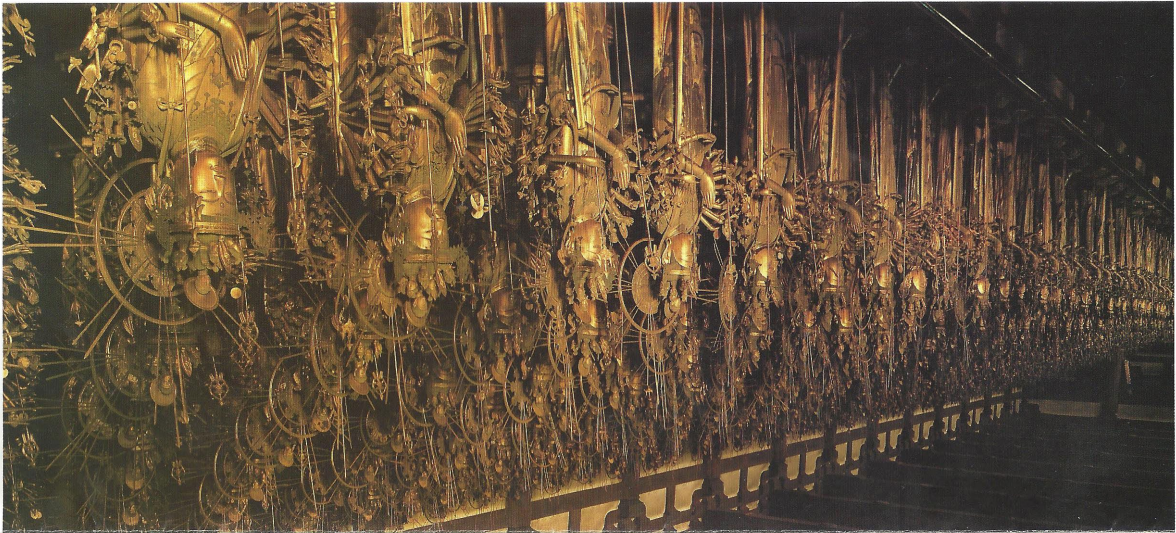
相阿弥の作庭といわれ、緑したたる月待山を背景に錦鏡池を中心として、多くの名石樹木を配した池泉廻遊式の庭園。どこからみても表裏ないので四方正面の庭ともいう。中央の砂盛銀沙灘は形を中国の西湖に模し、砂上の筋は、波の趣をあらわし、月がこの上に反射して夜の庭を明るくするため、造られた。富士形の砂盛向月台は義政公月見台の跡。

お茶の井


(一名発掘園)

東方山腹中段にある。昭和六年発掘された。お茶の井という湧水の石組と泉の流れにのぞんで、相阿弥築造の漱石亭の礎石がある。

SANJŪSANGENDŌ

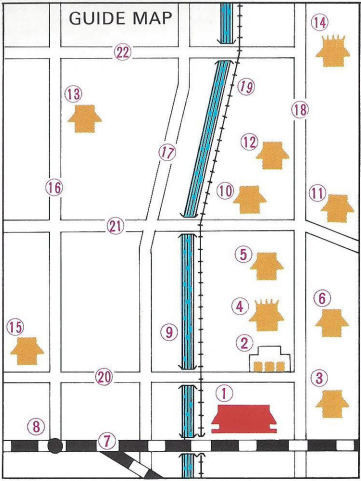


SANJŪSANGENDŌ



The whole view of the hall

GUIDE MAP



1

 SANJŪ SANGENDŌ

2

 KYOTO NATIONAL MUSIAM

3

 CHISHAKUIN TEMPLE

4

 HŌKOKU SHRINE

5

 HŌKŌJI TEMPLE

6

 MYŌHŌIN TEMPLE

7

 NATIONAL RAILWAY

8

 KYOTO STATION

9

 KAMO RIVER

10

 ROKUHARAMITUSJI TEMPLE

11

 KIYOMIZUDERA TEMPLE

12

 KENNINJI TEMPLE

13

 BUKKŌJI TEMPLE

14

 YASAKA SHRINE

15

 HIGASHIHONGANJI TEMPLE

16

 KARASUMA STREET

17

 KAWARAMACHI STREET

18

 HIGASHIYAMA STREET

19

 KEIHAN RAILWAY

20

 SHICHIJŌ STREET

21

 GOJŌ STREET

22

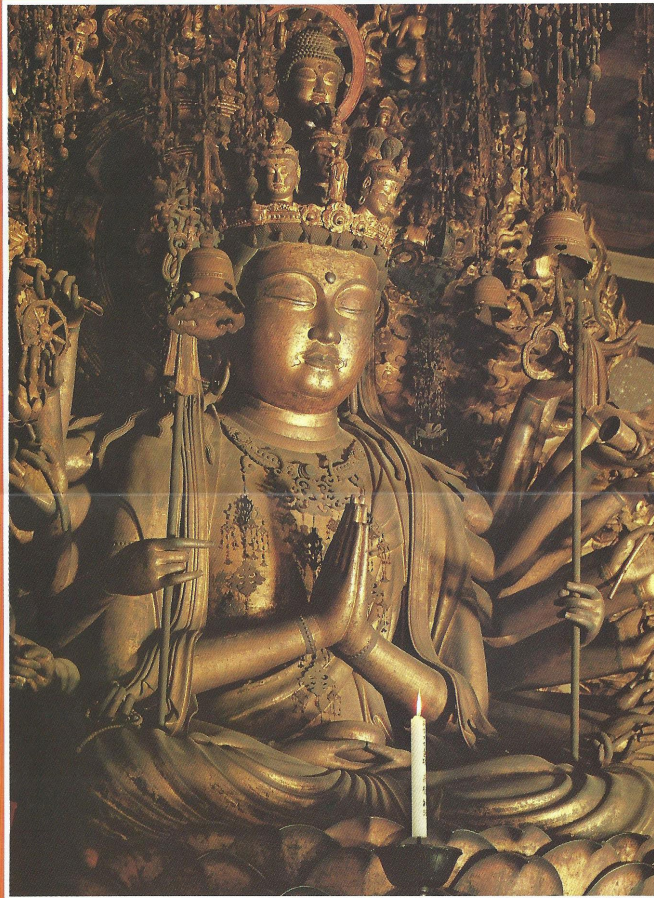
 SHIJŌ STREET



Fūjin (God of Wind)
Height : 44 inches
(National treasure)



Canopy of Principal Image
(National treasure)



Principal Image Kannon Bodhisattva.
Height : 131 $\frac{1}{10}$ inches.
(National treasure)



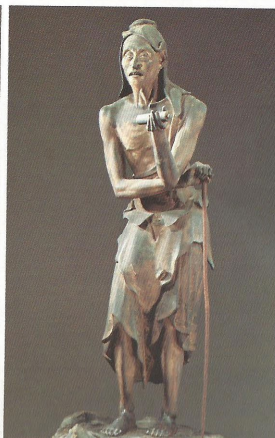
Raijin (God of Thunder)
Height : 39 $\frac{1}{8}$ inches
(National treasure)



Senju-Kannon figure No. 40.
Height : 65 inches
(Important cultural property)



Daibenkudokuten
Height : 65 $\frac{2}{3}$ inches
(National treasure)



Basūsenjin (Vasu)
Height : 60 $\frac{1}{6}$ inches
(National treasure)



Karuraō
Height : 64 $\frac{1}{2}$ inches
(National treasure)



Ashuraō
Height : 64 $\frac{4}{5}$ inches
(National treasure)

A HISTORY OF "SANJŪSANGENDŌ"

This holy hall "Sanjūsangendō", originally named "Rengeōin" was founded in 1164 A.D. at the request of the Emperor Goshirakawa, who was a pious devotee to Kannon-Bosatsu. The common name "Sanjūsangendō" means a hall with thirty-three bays. The number "33" is derived from the belief that Kannon-Bodhisattva (Avalokiteśvara) saves all mankind by disguising himself into 33 different figures. The architectural plan of this Hall is based on arranging 1,001 statues of Kannon-Bosatsu on the vast altar supported by 34 pillars in front and behind. Accordingly, this building is very long: it is 118 meters (390ft.) long and 18 meters (54ft.) wide. The original structure was burnt down in 1249, and another in very same style as the original was completed in 1266 A.D. This is the building we see today.

In the center of the Hall sits the principal image, "Jūichimen-Senju-Kannon", or Kannon with eleven faces and a thousand arms. And on both sides of the central image stand in regular order a thousand images of Jūichimen-Senju-Kannon. It is the very beauty of the numerous Kannon images that strikes the tourist as characteristic of the grandeur of this hall. Another thirty statues stand in a row along the corridor at the back side. Two of them are Gods of Wind and of Thunder, and the rest are "Nijūhachibushū" (28 spirits attending to Kannon-Bosatsu), that is, gods or spirits in which beauty, wisdom, prosperity, relief of the poor, the exorcism of evil devotion and soon, are deified. These 1,032 statues are very fine works, made of wood by the many sculptors under the direction of the great masters Kōkei, Unkei and his son Tankei.



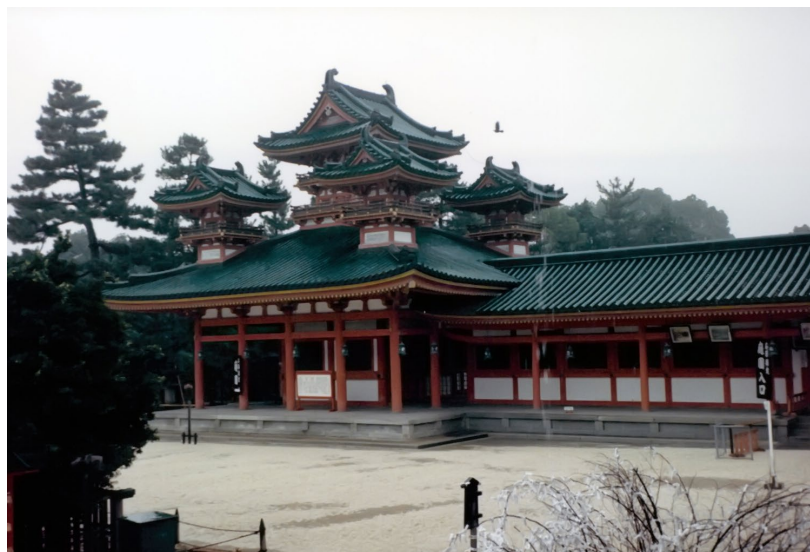
ON THE KANNON IMAGES

Here we find many Buddhist images arranged in regular order. In the center of the Hall sits a grand principal image. Each of them is a "Jūichi-men-Senju-Kannon" (Ekadaśamukha-sahasrabhuja-Avalokiteśvara), or Kannon with eleven faces on the head and a thousand arms. However, as for their arms, we can see only 21 of the pairs. But these 40 arms are to be regarded as 1,000 arms, because each saves 25 worlds. It is believed that Kannon Bodhisattva can transform himself into 33 different figures, so you could look upon the total 1,001 images as the appearance of 33,033 Kannon. When you think like this, you will understand that the belief in numerousness as tenet of earnest Buddhist faith was realized concretely in the arrangement of these images and the establishment of this Hall.

The height of the central image is 3.3 meters (11ft.) including the pedestal. It was carved by Tankei, one of the most distinguished sculptors of the Kamakura period, at the age of 82. The other 1,000 images are smaller (5.5ft. tall) and simpler in appearance than the former. The statues were made by a technique called "Yosegi-Zukuri", that is, first a body is composed of many partly hollow blocks of wood, carved only roughly; secondly the detailed outside figure is carved from this body, and thirdly, the statue is colored or japanned, and finally plated with gold leaf.

This method was adopted because it allows for several persons to work simultaneously on a single statue. The resulting products are less prone to splitting and are lighter in weight than statues carved by earlier methods.

← 1,001 Images of Kannon Bodhisattva. (Important cultural properties)
Height : 65 inches ~ 66½ inches



Heian Shrine, Kyoto

Oct.24 Sat.

Visit Nara Temples. Todaiji Temple. Yakushiji Temple.
Stay in Three-M Hotel, Nara



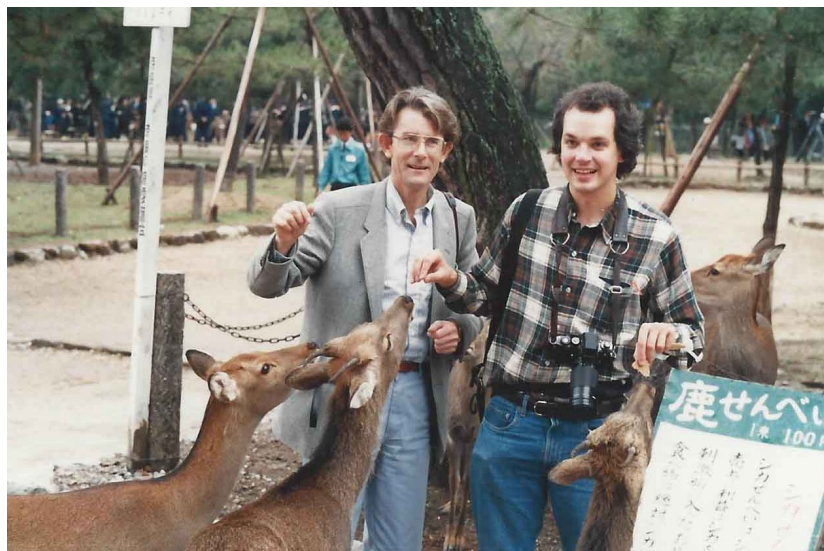
Todaiji, Nara.



Todaiji, Nara.



Yakushiji Temple, Nara.



With Charlie Campbell and deer near Todaiji

Oct.25 Sun.

Visit to Temples

We were supposed to fly to Sendai this evening but we missed the flight.

Stayed in Minoo Kanku Hotel not far from Itami (Osaka University).

INFORMATION ABOUT THE HOTEL MINOO

Heartily welcome to our hotel!

We wish you have a nice stay. Please don't hesitate to let us know if we can be of any service to you.

[Dishes]

* Main dining room "Grand Grill"	11:00 - 21:00	(2F)
* Coffee & Billiard "Q'TY NINE"	14:00 - 24:00	(2F)
* Snack "Echizen"	12:00 - 22:00	(2F)
* Breakfast-----at "Grand Grill"	7:30 - 9:30	(2F)

[Facilities]

* Bar & Lounge "view"	8:00 - 24:00	(1F)
* Shopping corner	8:00 - 21:00	(1F)
* Beauty parlor	10:00 - 18:00	(3F)
* Bowling floor	10:00 - 22:00	(3F)
(A discount ticket will be offered at the Front Desk.)		
* Hot spring (Public bath)	6:00 - 22:30	(8F)

[Front Services] (Dial No.7)

- * Mail
- * Valuable

We can not take the responsibility of the loss of money, jewels and any other valuables unless they are deposited at the Front Desk.

- * Morning call

Each room is provide with a guidebook, written how to set a wake up call

- * Taxi

It takes about 10 minutes to call a Taxi.

- * Money exchange

Ask a Cashier at the Front Desk. (At any time)

- * Telegram

- * Room service-----until 22:00

[Telephone]

- * Domestic call Dial No.0 and then telepone number.
- * Overseas call Dial No.9
- * Room to Room call Dial No.8 and then the room number.

We can only calculate the telephone charges at every room.

Guide Map of Minoo

J.R. Japanese
Restaurant

C.R. Chinese
Restaurant

A. J.R. KINUGASA
Sushi, Tempura

B. 1f J.R. RAKURAKU
Sushi, Tempura

2f J.R. FURIN
Tempura

C. Shopping Center
DOMDOM
Hamburger
LANARK
Snack

Snack

D. BANK, *Ikeda*

E. Shopping Center

1f DYLAN
Curryshop
FUJIYA
Snack

2f J.R. TOMOE
Sushi
C.R. SISEN
PINOKIO
Snack
CARNIVAL
Snack

F. 1f J.R. HYAKUMI
Soba, Tempura

2f SUE HIRO
Beef Steak

3f C.R. JUKO

G. MARKET, *Shin-Minoo*

H. BANK, *Sumitomo*

I. SUPER MARKET
Daiei

J. BANK, *Kyowa*

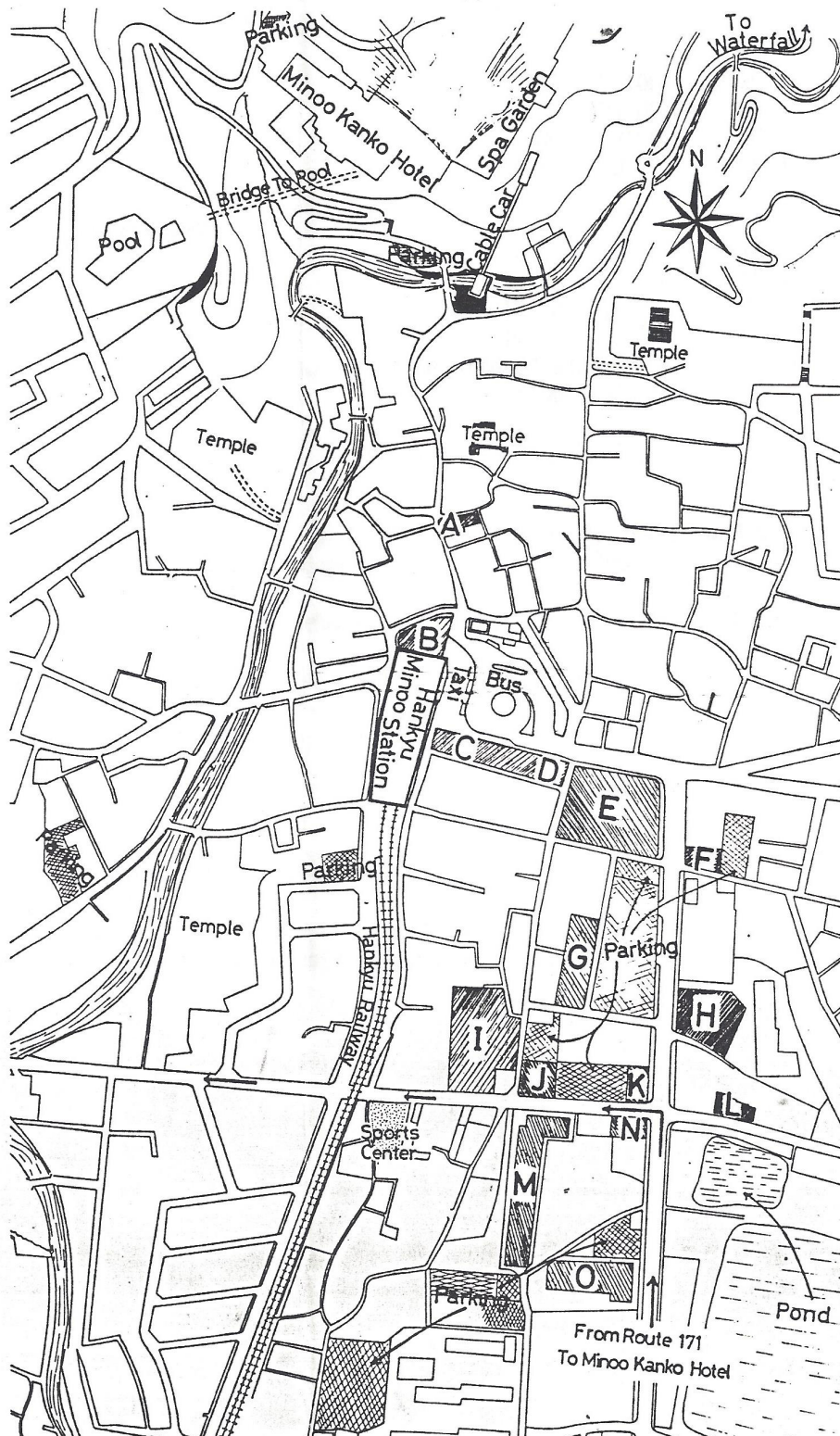
K. J.R. MIYUKI
Soba, Noodle

L. ELECTRIC STORE
Nakagawamusen

M. FOOD MARKET

N. ELECTRIC STORE
Seiden-sha

O. POST OFFICE



Oct.26 Mon.

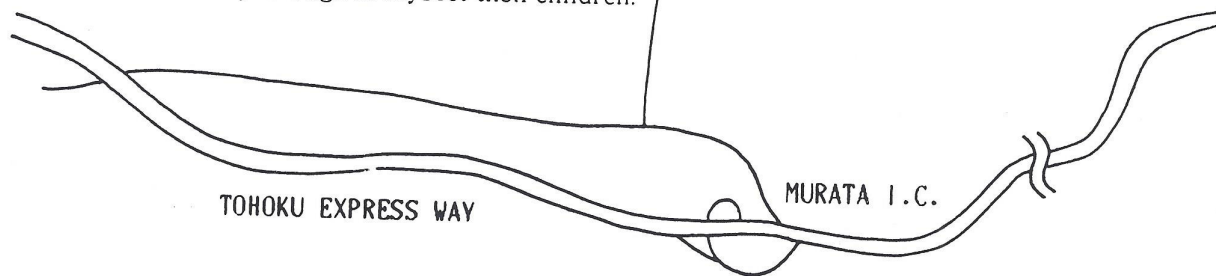
Flew Osaka, Itami, to Sendai.

U.S.-Japan Seminar on Micromechanics of Granular Materials. Tohoku University.

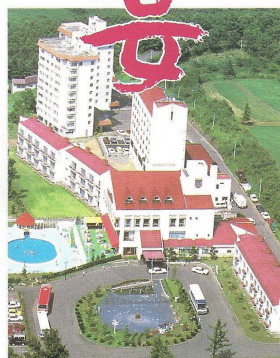
Stay in Washington Hotel, Sendai

craft product made mainly in the Tohoku District. Wood artisans living in mountainous areas near Mt. Zaō first made kokeshi about 250 years ago as toys for their children.

9:30 Lv.



- 期間 昭和62年9月1日(火)~11月30日(日)
- 大人10名様以上のグループでお申し込み下さい。



蔵王の雄大な自然を愛でながら
くつろぎ豊かに今、美食の時を迎える。
高原の旬の味覚、味な逸品に酔う
満ち足りた一日をお約束いたします。

SUN ROUTE 政府登録国際観光ホテル (登録第567号)
ホテルサンルート蔵王
〒989-09 宮城県刈田郡蔵王町宮城蔵王遠刈田温泉
0224 24 2221

Enjoy Ski Life

ホテルサンルート蔵王 スキープラン

見逃せないえびしの冬。EVENT スケジュール

●スキー場開き
(リフト無料乗り放題)
■12月1日(火)

●ナイターフェスティバル
(24時まで営業)
■1月9日(土)
■2月6日(土)
■3月5日(土)

●88年度全日本スキー連盟
ナイターエスプレード大会
■1月16日(土)(第1戦)
■2月13日(土)(第2戦)
■3月12日(土)(第3戦)

●第11回東北放送杯争奪
みやぎ蔵王スキー大会
■2月20日(土)

●第5回テレマークスキー
カーニバル
■3月13日(日)

●えびしサヨナラフェスタ
(リフト無料乗り放題)
■5月10日(火)

手ぶらでスキー、いいですね。
レンタルスキー

ロシニョール、フィッシャーなど最
高級スキーをご用意、スキー靴も
一流品を揃えております。どうぞ
ご利用ください。

アフタースキーはおまかせください。

たっぷりとスキーを楽しんだ後は、魅惑のスペースがお待ちしております。
スターダストのまばたきの下で、心ときめく素敵な夜をお過ごしください。

深い眠りを誘うゲストルーム

ご家族いっしょにくつろげるファミリール
ーム、畳の部屋をご希望のグループには落
ち着いた和室と、ご要望にお答えできるい
ろいろなタイプのお部屋を揃えております。

カフェ「ミューラプラン」5F

(18:00~24:00)
リズムに合わせてダンスフリーク、音響効果技
群のレーザーディスクカラオケで自慢の歌を
たっぷり…。長い夜を熱くエンジョイ、二次
会にはうってつけです。

パブ 「ポイントファイブ」5F

(18:00~24:00)
蔵王で過ごす夜はとてもロマンチ
ック。心に残るシックなひとときを
お過ごしください。

温水ガーデンプール

(8:00~21:00)
温水なのでオールシーズン利用
可能な18m×14mの精田形のプ
ールです。蔵王の雄大な雪景色
を眺めながらたっぷり泳いでく
ださい。水着を忘れずにお持ちく
ださい。

そば処「すみ川」3F

(12:00~24:00)
居酒屋風のしやれた造りの中で味わう、
地酒・そばおにぎりの味はまた格別です。

温泉大浴場1F

(24時間入浴可)
スポーツのあとのしめくりはぜひ
温泉で。毎分120ℓ、80℃と蔵
王最高の湯量を誇っているラジ
ウム泉で、美容効果も抜群です。

交通のご案内

■自動車(東北自動車道利用)東北自動車道白石I.C.又は村田I.C.→ホテルサンルート蔵王
■仙台55分→ホテルサンルート蔵王
■新幹線(東北新幹線)仙台駅→蔵王駅5分→ホテルサンルート蔵王
(東北本線白石駅・大河原駅10分→蔵王駅5分→ホテルサンルート蔵王)
■飛行機(仙台空港又は山形空港)タクシー→ホテルサンルート蔵王

●お申し込みは

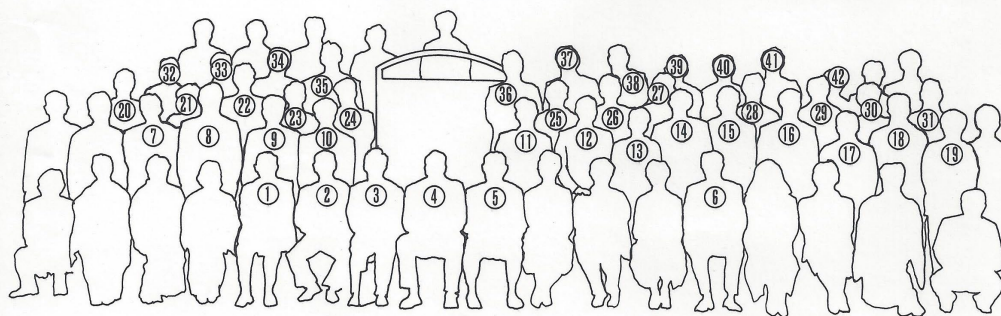
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US-Japan Seminar on Micromechanics of Granular Materials Sendai·Zao Japan, Oct. 26-30, 1987

1 M.M.Mehrabadi	2 K.Ishihara	3 C.S.Chang	4 J.T.Jenkins	5 S.C.Cowin	6 M.Satake
7 R. Kitamura	8 Y.Hatamura	9 T. Nagao	10 H.Matsui	11 T.Mikami	12 O.R.Walton
13 H.H. Shen	14 C.E.Brennen	15 J.K. Beddow	16 P.A.Cundall	17 Y. Kishino	18 S. Niiseki
19 M.Nakagawa	20 H.J. Frost	21 Y. Tobita	22 K. Kawasaki	23 E.Yanagisawa	24 Y. Yamada
25 M. Oda	26 K.Kanatani	27 J. Konishi	28 T. Nakai	29 H. Horii	30 K.Hashiguchi
31 G. Jinbo	32 S.Tsujino	33 S. Nakamura	34 N. Moroto	35 A.J.M.Spencer	36 I. Ishibashi
37 C.S.Campbell	38 N.L.Ackermann	39 K. Makino	40 H. Matsuoka	41 J.R.F.Arthur	42 F. Oka

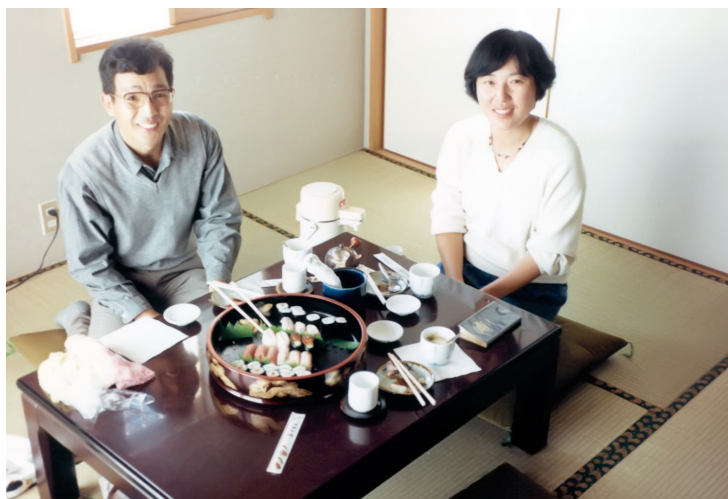


Oct.29 Thurs.

U.S.-Japan Seminar on Micromechanics of Granular Materials. Zao.
Stay in Sunroute Hotel, Zao

Oct.30 Fri.

U.S.-Japan Seminar on Micromechanics of Granular Materials. Zao.
Dinner with Kenjiro and Sachie Kamijo near Sendai.
Stayed in hotel near Kamijos.



Dinner with Kamijos.



Visit to Matsushima near Sendai.

Oct.31 Sat.

Visit to Matsushima near Sendai with Kamijos.

Travel to Tokyo. Stayed at Yaesu Fujiya Hotel near Tokyo Railway Station.



Imperial Palace, Tokyo.



Scene near Ueno Station, Tokyo.

Nov.1 Sun.

Flew UA90 from Narita, Tokyo to Los Angeles.

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

PLAYREADERS COMMITTEE 1986/1987 and 1987/1988

Co-Chairmen

1986/1987

Doreen Brennen
(796-2520)

Connie Wood
(355-0334)

1987/1988

Connie Wood
(355-0334)

Lynn Shaw
(952-2192)

Arrangements

Margaret Brucato (797-8886)

Athenaeum Posters

Peggy Fanselow (798-6903)

Casting

Greta Davidson (248-4543)

Hospitality

1986/1987

Meg Cole (790-8445)

1987/1988

Mailing

Marietta Fay (355-0879)

Playbill

Anne Vaughan (355-4445)

Scripts

1986/1987

Doreen Brennen (796-2520)

1987/1988

Treasurer

Shirley Cohen (793-1262)

Advisors

Naomi Greenstein (796-1681)

Muriel Harvey (797-8307)

Alice Stone (798-1480)

{Playreaders First Season: 1951/1952}

T H E P A R S O N G A T E S S P I N - O F F

A Caltech Playreaders Party!!

May 8, 1987, 6:30 p.m., Dabney Lounge

Master of Ceremonies of the

"Caltech Lottery and Wheel of Fortune Show"

Chris Brennen

With Special Appearances By

Harry Gray
David Morrisroe
Shirley Cohen

Master of Ceremonies Assisted by
Janet ("Vanna") Stone

DANCING

Disc Jockey
David Stevens (Dabney House)

Program Crew

Producers

Chris Brennen Doreen Brennen
Noel Corngold Alice Stone
Connie Wood

Stage Manager
Noel Corngold

Assistant Stage Manager
Alice Stone

Technical Arrangements
Margaret Brucato

PROGRAM

-- "These are the Days" --

John and Greta Davidson

-- "Victor the Magician" --

Vic Lozoya

-- "Intrigue" --

Bunny, Lindy, Missy, Romy

-- A Brief Appearance by --

"The Chauffeurs"

Doreen Brennen

Cami Melbourne

Bob Brucato

Art Vaughan

Terry Cole

Alice Stone

Leverett Davis

Hal Zirin

-- "Hype, Hype, Hooray!" --

Heinz and Astrid Ellersieck

-- Caltech Trauma --

By Kent Clark and Elliott Davis

At the Piano: Bob Burket (BS65Ge, Fleming)

Master of Ceremonies: Noel Corngold

"A Broader View"

Gordon Myers: Bill Craven (Ricketts House)

Three Professors: Dave Wood

Ward Whaling

Bob Oliver

Visiting Expert: Anne Vaughan

"Troll's Progress"

Cheryl: Sue McCloud Gibson

Dean Lacey: Muriel Harvey

Wilbur: Rich Doherty (BS86EE, Ruddock)

Al Sorenson: Mike Boughton (BS55Ph, Fleming)

Grand Finale (Everybody sing):

Down at the Burbank, you'll find him down at
the Burbank

In training down at the Burbank where form is
fancy and free

Figures he'll note there; the laws of motion

he'll quote there

And while I'm holding his coat there

He'll sit and gloat there with me

He'll grow wise observing mass and oscillation

He will prize the finest form of education

Down at the Burbank, he'll love it down at the
Burbank

You'll love it down at the Burbank

Come on along and you'll see

Down at the old Burbank with me-----THE BURBANK!

* * * * *

ARRANGEMENTS AND RESERVATIONS

Shirley Cohen, Chairman

Publicity

Anne Vaughan and Connie Wood

Reservations at the Door

Doreen Brennen, Cynthia Corngold, Shirley Cohen

Decorations

Vicki Davis and Mary Zirin

Flowers from the Garden of Mildred Goldberger

Cakes...

Shirley Cohen

Marietta Fay

Meg Cole

Lucille Lozoya

Greta Davidson

Lynn Shaw

Alice Stone

...and Ale and Other Things

Shirley Cohen and Margaret Brucato

(Catering by Billy's, Glendale)

Playbill

Alice Stone

CALIFORNIA INSTITUTE OF TECHNOLOGY
DIVISION OF ENGINEERING AND APPLIED SCIENCE

19867

TEACHING QUESTIONNAIRE

Please fill this out carefully, being sure to give the course and the instructor, but not your own name. Return it in a sealed envelope to Marlys Murray, 104-44. The completed questionnaires will go only to the Division Office, with a copy to the instructor.

Name of the instructor C. Brennen
Course name/number Me19a Year/term 86'/1st

Each of the following statements deals with a basic component of teaching. Give an overall rating for each component, reserving the highest scores for exceptionally good performance. Circle a number to indicate your score.

- | | Low Score | | | | | High Score | |
|---|-----------|---|---|---|---|------------|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | |
| 1. Instructor has command of the subject. | | | | | | | ⑦ |
| 2. a. If the course is a <u>lecture</u> course, the instructor clearly states objectives and presents material in an organized way. | | | | | | | ⑦ |
| b. If the course is a <u>laboratory</u> course, the experiments are informative and challenging. | | | | | | | |
| 3. The instructor is responsive to the class, e.g., welcomes questions and discussion as class size and other circumstances permit. | | | | | | | ⑦ |
| 4. The instructor is available to and courteous toward students. | | | | | | | ⑦ |
| 5. The instructor is interested in the subject, and enjoys teaching it. | | | | | | | ⑦! |
| 6. What is your overall evaluation of the course? | | | | | | | ⑦ |

For your case, was the level of the course:

Too elementary ____, about right X, too advanced ____

For your case, was the pace of the course:

Too slow ____, about right X, too fast ____

Please use the space below for comments or suggestions concerning, for example, the text, reading material, homework assignments, teaching assistants, lab equipment, etc.

This is the very best course I have had during my 10 terms of Caltech, and only the 2nd time an instructor has actually taught a class. Chris Brennen is the finest individual on the Caltech faculty!

Please use the space below for comments or suggestions concerning, for example, the text, reading material, homework assignments, teaching assistants, lab equipment, etc.

It's nice to have a prof that managed to cover all the material without having to rush full speed through everything. Though sometimes the class seemed to go slower than the Caltech's norm, it shows that there are other ways to teach besides snowing the whole class.

The class could use some speeding up now and then, however. I don't know for what level the course is intended, but there are many juniors and seniors in the class - So a certain mathematical sophistication could have been assumed.

Prof. Brennen did try to gauge the class by asking if certain concepts are familiar,

Brennen is a god. The material is presented in an enlightening manner and the homework is well thought out to go with lectures. All in all my favorite course

Please use the space below for comments or suggestions concerning, for example, the text, reading material, homework assignments, teaching assistants, lab equipment, etc.

NO ONE TEACHES FLUID MECH LIKE BRENNAN
MAKES DULL SUBJECT INTERESTING

Please use the space below for comments or suggestions concerning, for example, the text, reading material, homework assignments, teaching assistants, lab equipment, etc.

Professor Brennen essentially kicks some ass. He makes lectures enjoyable ~~and~~ with his command of the subject as well as with his personality. He is a very nice person. Overall the best professor I've had at tech.

Please use the space below for comments or suggestions concerning, for example, the text, reading material, homework assignments, teaching assistants, lab equipment, etc.

Again Dr. Brennen has proved to be an excellent instructor, and again ^{is} one of the few people at Caltech who actually teach students. I realize that it looks like I'm exaggerating, but I am not.

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Name of the instructor C. Brennen

Course name/number ME 19 Year/term '86 1st

Each of the following statements deals with a basic component of teaching. Give an overall rating for each component, reserving the highest scores for exceptionally good performance. Circle a number to indicate your score.

- | | Low Score | | | | | High Score | |
|---|-----------|---|---|---|---|------------|-----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Instructor has command of the subject. | | | | | | 6 | (7) |
| 2. a. If the course is a <u>lecture</u> course, the instructor clearly states objectives and presents material in an organized way. | 1 | 2 | 3 | 4 | 5 | 6 | (7) |
| b. If the course is a <u>laboratory</u> course, the experiments are informative and challenging. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 3. The instructor is responsive to the class, e.g., welcomes questions and discussion as class size and other circumstances permit. | 1 | 2 | 3 | 4 | 5 | 6 | (7) |
| 4. The instructor is available to and courteous toward students. | 1 | 2 | 3 | 4 | 5 | 6 | (7) |
| 5. The instructor is interested in the subject, and enjoys teaching it. | 1 | 2 | 3 | 4 | 5 | (6) | 7 |
| 6. What is your overall evaluation of the course? | 1 | 2 | 3 | 4 | 5 | 6 | (7) |

For your case, was the level of the course:

Too elementary ____, about right X, too advanced ____

For your case, was the pace of the course:

Too slow ____, about right X, too fast ____

Please use the space below for comments or suggestions concerning, for example, the text, reading material, homework assignments, teaching assistants, lab equipment, etc.

Over my three years here, this is by far my most enjoyable class I've taken. Prof. Brennen's teaching technique of writing down the formulas first and then returning to them and explaining them is very beneficial to the students. His formulas do not go to waste.

Please use the space below for comments or suggestions concerning, for example, the text, reading material, homework assignments, teaching assistants, lab equipment, etc.

Brennen Presents Difficult Material in
a Clear understandable way.

Makes sure there is understanding of the
material, not just equation manipulation.

(A+ prof!)

Please use the space below for comments or suggestions concerning, for example, the text, reading material, homework assignments, teaching assistants, lab equipment, etc.

Dr. Brennen had very good rapport with the class. He is
very understanding of the student's situation and flexible on
homework. HW and exams were fairly graded. This is the
most enjoyable class I had thus far.

Please use the space below for comments or suggestions concerning, for example, the text, reading material, homework assignments, teaching assistants, lab equipment, etc.

Brennen is an excellent lecturer.

Please use the space below for comments or suggestions concerning, for example, the text, reading material, homework assignments, teaching assistants, lab equipment, etc.

This was a terrific course all around.

I learned a lot w/o having to worry about getting a
respectable grade.

CALIFORNIA INSTITUTE OF TECHNOLOGY

Pasadena, California 91125

Marvin L. Goldberger
President

June 8, 1987

Dr. Christopher Brennen
355 South Holliston
Pasadena, California 91106

Dear Dr. Brennen:

I take pleasure in notifying you that the Board of Trustees has approved an increase in your salary to \$ 87,000 effective October 1, 1987, on an annual basis.

The Institute's contributions to your benefit programs will be adjusted in accord with your new salary and these will be detailed in the statement of benefits that you will receive later in the year.

The strength of the Institute is its extraordinary faculty of which you are an important part. This salary increase is a small expression of our appreciation for what you do to make Caltech great.

Sincerely yours,

Murph

Marvin L. Goldberger

You've been a great MOSH, a hard act to follow.

CALIFORNIA INSTITUTE OF TECHNOLOGY

Pasadena, California 91125

Office of the President

June 15, 1987

Professor Chris Brennen
Caltech
Mail Code 104-44

Dear Chris:

I want to express my thanks and the thanks of all of the Institute, especially the undergraduate student body, for your four years of service as Master of Student Houses. You have done a fine job. The student houses have been guided on an even keel, and great progress has been made in renovation and in development of the Student Activities Center, to which you made many important contributions. For all of this, we are very grateful to you.

It would be normal practice for the special salary supplement of \$7,000, given when you took on the Master's job, to be discontinued when you relinquish the position. As an additional way of saying "thank you," we have not done this, and instead, will think in terms of a gradual salary readjustment over the next few years, which will mean that for a few years your salary increases may be somewhat on the low side as the "bulge" is absorbed.

Again, many thanks for your very important contributions to Caltech as Master of the Student Houses. I hope that you will enjoy and prosper in your return to full time academic life.

Sincerely,



Marvin L. Goldberger

MLG:lt

SUNDAY SEPT 20, '87

Dear Chris

It's a rainy and dreary day here in Bremen, and I was just relaxing and remembering some of the good and bad times I've had at Caltech. I just remembered one of the best before I began writing this letter.

I'd like to thank you for having such a wonderful Senior Party for my class. I enjoyed myself so much. Let me tell you about my two favorite memories of that night.

The first was watching you plunge into the swimming pool aboard your trusty bicycle, and realizing right away that you'd practiced it before. I remember thinking that anybody who rides bicycles into the pool is pretty well suited for working as the Caltech MASH.

My favorite memory, though, is of the last of us stragglers sitting at the table, when you brought out the "dusty bottle of wine," and presented it to us with your characteristic style and charm. I was deeply ~~that~~ touched ~~that you did~~ by the fact that you included me in that special moment. Thank you so much. Thank for being a fantastic MASH, and thank you for being a wonderful friend.

I'll be studying German here in Bremen until the end of October, and then will be moving on ~~to~~ Innsbruck, Austria to begin my project on Luge sled designs. If you get the chance, please write me and tell me how you are doing. I'll be at the institute until Oct. 24.

MARK CARLIN % GOETHE INSTITUT
FEDELHÖREN 78
2800 BREMEN 1
W. GERMANY.

Thank you again, and take care,

Mark Carlin

CHERYL

Sept 24, 1987

Dear Chris,

Just a quick note to say I hope you are enjoying your 'retirement' - I'm afraid I might be a little homesick for Page as the new school year begins to get going.

We've been busy since moving to the Bay Area - Doug is already hard at work & seems to like his new situation quite well. This week he is at his field area (Cajon pass) - can't seem to get away from Southern California!

I have been looking for a job.

I have used your name as a reference
for 2 Stanford jobs which are not 'science'
jobs per se (jobs where I feel my RA
experience would be most useful!)
Therefore you may get a call about me
in the next little while. I do have
a part time job teaching physiology
labs at a local college (Merlo college -
4 year). It's fun so far - I'm still
just getting to know most of the students.

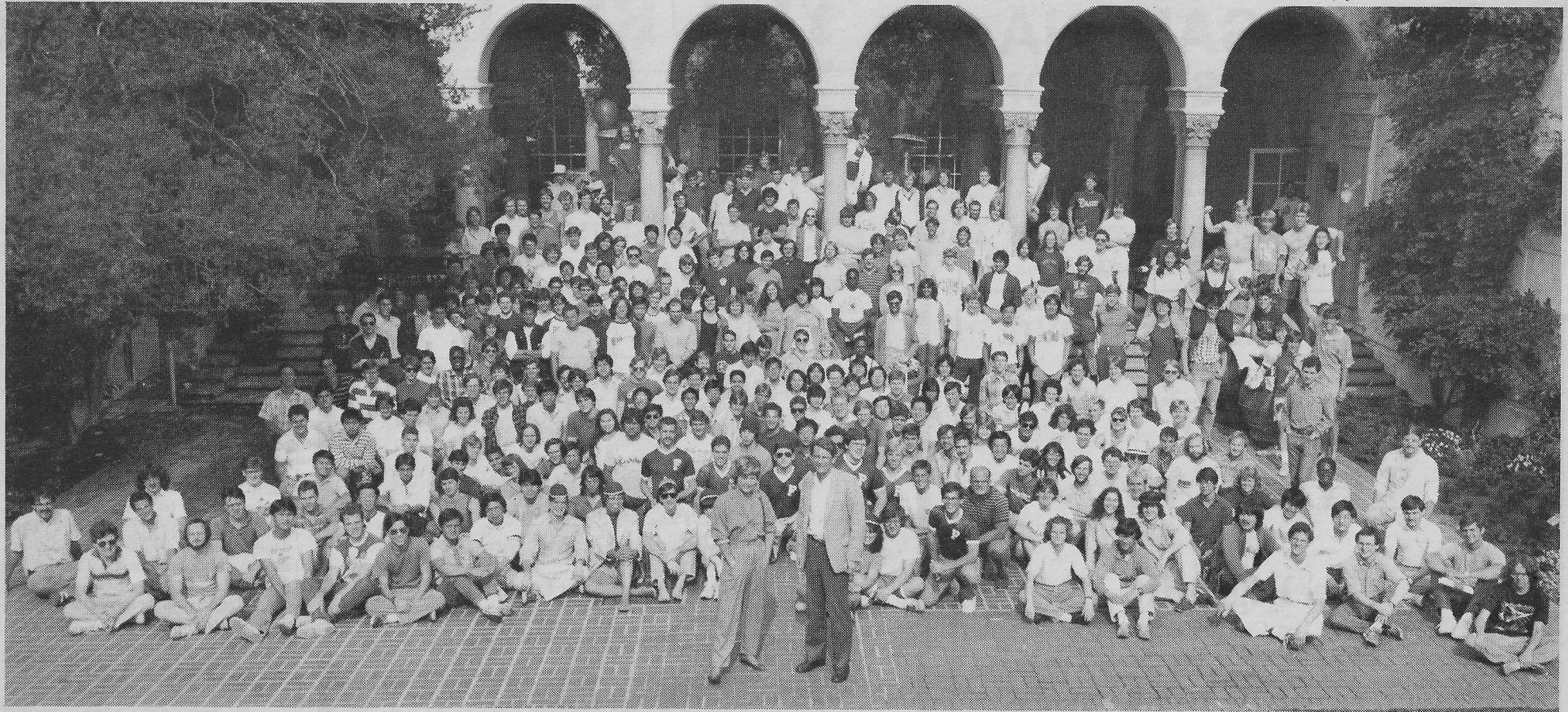
Hope you are all settled in in your
home now. It will be strange not
being dragged from your bed at all
hours! Say hi to Debraan & Patrick.
We may be down for Interhouse -
depends on ~~the~~ ^{my} job status & Doug's
field work schedule. We'll make a
point of looking you up next time
we're in L.A. See you soon

Cheryl

and easily
gured, as a few minutes ex-

CALIF. TECH.

JUNE 1987



The undergraduate community gather on the steps of the Athenaeum to wish Dr Chris Brennen a happy retirement from his position as MOSH. Clockwise from top-left are . . .

August 1st, Cambridge.

Dear Chris:

I am writing not only to make up for the hurried goodbyes that seem to always happen on graduation, but also to sincerely thank you for the support you gave to me and to Teresa during the aftermath of our drop out "trips."

Teresa and I have reflected a great deal on the events of that night, and I believe that it has helped both of us see some things a great deal more clearly. For me personally, it was a rather heart-stopping confrontation with the psychology of an addiction. For it to seem reasonable, and then to step back and actually realize that this was the reasoning that was used to rationalize someone's addiction, was rather brutal for me under the circumstances.

Fortunately Teresa also gained a greater grip on the problem by seeing my reaction to

what was going on once I realized it, but unfortunately by that time, the combination of substances had made our effective communication impossible, and we seemed to diverge without getting the point across.

Only with your (and Andy Dowsett's) help, were we fortunate enough to be able to ^{later} actually analyze what had gone on, and be aware of ~~the~~^{its} significance.

At the moment, we are both settled in our respective apartments in Cambridge, starting out life ~~at~~ MIT. Somewhat "homesick" for Caltech's easy way of doing things, but then also thankful for size (MIT has a sailing club which I promptly joined), and the surrounding city which is so full of things to do.

We are both busy with our work, Teresa doing a lot of Hössbauer spectroscopy work (beyond me!), and I am busy crunching gravity data, and learning new computer systems. Gerald will be moving in with me in September, to add another to the

50 or so members of the Caltech clan that are either here or up at Harvard.

You should be thankful you're not the MOST here: housing is almost impossible. I was extremely lucky to be able to get institute housing, which is not only tight for graduates, but also for undergraduates as well, who get most of their housing from the independent fraternities off campus. A lot of the houses here are also having problems with rotting pilings, infestation by cockroaches, and flooding during rain. I have yet to see how we survive the winter. There's also no honour code, and a lot of vandalism and stealing, although a lot of that is from off-campus, including assaults and stabbings. I ~~also~~ take care to walk in the light! I will be interested to see how things work when the school year is on, and hope to get involved in some of the committees and student government.

I may be out in California early in September with a touring cricket team, but whether I actually go, and whether we pass near Pasadena I don't know, but I certainly plan to try! Please give my regards to all.

Sincerely,

Peter Filmer



Ed Norgord / Star-News

In their latest prank, Caltech students remade the famous HOLLYWOOD sign in their own image early Monday morning

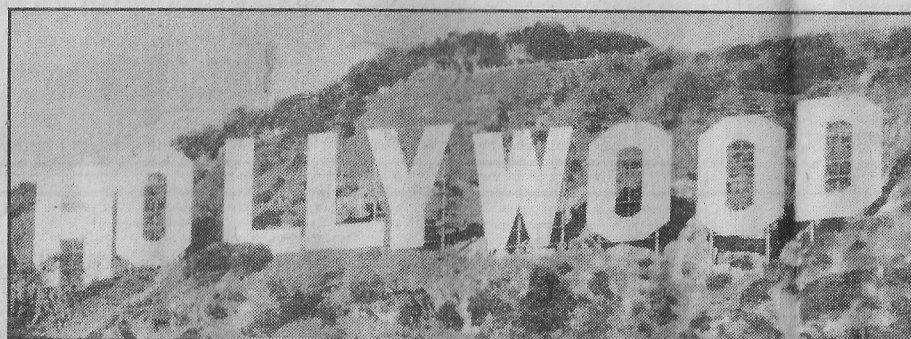
Pranks are a way of life at HOLLYTECH

By **NATALIE SHORE**
For the Star-News

"We all saw it, but none of us did it," the Caltech students said in unison Monday, gloating about the overwhelming success of their latest prank — this one designed to "help" commemorate Hollywood's 100th anniversary celebration.

At the same time, members of the Hollywood Chamber of Commerce were fuming and a crew from the Hollywood Recreation and Parks Department was restoring the 45-foot Hollywood sign to its original form.

Lining the first floor hall of Page House dormitory, the Caltech students willingly and anonymously



Associated Press

bragged of Sunday's late-night escape.

"It was the brainchild of Calvin I. Techer, a fictitious student whose initials spell CIT. He got the idea from the Fox Channel 11 project,"

one student said Monday afternoon.

"All the plastic materials were ordered in his name," said another.

One student identified the underground pranksters as the "RF Club." An "RF" on the Caltech

campus usually refers to a student-to-student or student-to-faculty prank, he said.

What will go down in history as Caltech's first student-to-Hollywood prank took several weeks of planning, plotting, scouting and scheming.

"Everything was figured out ahead of time. Each letter had a specific team assigned to it, and the plastic sheets and string were measured," said yet another student.

Many of the students knew about the project and donated the necessary \$500 worth of "funnel funds" to purchase four rolls of 100-by-12-

Please see **PRANK**,
Page A-8

Prank: Hollywood angered by

Continued from Page A-1

foot black and white plastic sheeting, duct tape and metal grommets to anchor the sign.

The unabashed undergrads estimate that 80 students attended the sign conquest, but only half were active participants. They met at the Mayfair Market on Franklin Avenue at 1:30 a.m. and hiked to the sign within an hour.

Hoisting themselves 15 feet up the ladders took the most time, and students with climbing experience took

the toughest assignments. They also had to maneuver around barbed wire laced at the bottom of the sign.

"The actual draping of the plastic started about 4 a.m. and we were finished around 5:30 a.m. The toughest was tying down the "A," which draped across the two "L's," a student said.

"A cop drove by three times shining his spotlight. Either he didn't see us, or he couldn't figure out how to get up there," another student said.

"One student who watched the project and was driving around in the area was stopped by police. He's their prime

suspect," said one student, prompting laughter from the group.

Students estimated they returned to the campus by 6:30 a.m. They promptly settled down in front of their televisions to await reports, the first of which appeared about 7:15 a.m.

Hollywood's Chamber of Commerce President Bill Welsh heard the news over the radio on his way to work.

"This goes way beyond pranks in the past. People could have been injured or killed," he said.

By 2 p.m., restoration was complete.

"The sign came through fairly un-

y Caltech tricksters

scathed, but part of the fence and the lock gate were damaged," Welsh said.

Charges of trespassing and damaging city property may be filed, Welsh said.

"We don't propose to back off on this," he said.

Detectives are investigating the case and some license plate numbers were recorded, said Los Angeles Police Lt. Sergio Robledo.

The mood on the Caltech campus was much less serious.

"Pranks are a tradition in living at Caltech and have been since the 1920s," said Ted Hurwitz, vice presi-

dent of campus relations.

Administrators would be terribly disappointed if there had been any damage, Hurwitz said.

The altered sign was the media rage across the nation Monday.

One cameraman from Fox Broadcasting's KTTV/Channel 11, which changed the Hollywood sign to read "Fox" for their prime-time debut, congratulated the students on their speed and skill.

"It took us four days and \$27,000 to do what you kids did in one night," he said.

May 1987

Dear Chris,

As I sit here so much is spinning through my head. It seems like yesterday when I was sitting in Jim Minges' office being interviewed by you and Jim for my position as Manager of Housing. And now I am amazed to think I have been at Caltech for three years. Where does the time go?

And it saddens me that I will not have the pleasure of working with you any longer. I certainly hope, though, that we will continue to be friends and not loose touch with one another.

You have been instrumental in being a guide, a teacher, a friend, and supporter. When times have been tough (and there have been so many times like that), it seems as though I could always count on your support. That has meant a great deal to me!

I know you will carry fond memories of being Master of Student Houses and I only hope my small gift will help you carry many other fond memories during your lifetime.

With sincerest wishes for happiness in future pursuits,

Sam Carter

Chris,

Very sorry I missed you.

I wish the very best for you and your family. As my advisor you gained my respect to such extent that

I was certain you would make a wonderful master! ^{you} ^{have}

I've grown a great deal through our interactions in these various rolls. Most of all, though, I will remember you as an incredibly neat person who I had the pleasure of knowing. Keep growing. Barb

OBITUARY

Mr. W.M. Brennen, O.B.E., F.R.C.S. MAGHERAFELT

Mr. Wilfred Macauley Brennen, O.B.E., F.R.C.S., of Cranagh Dhu, Magherafelt, who has died, was one of the best known figures in the medical profession in Northern Ireland.

A native of Belfast, Mr. Brennen, who was aged 76, was the first consultant to be appointed to the Mid-Ulster Hospital, Magherafelt.

With a staff of just 12 nurses he set out in 1945 to create a modern hospital from what was a district workhouse. The hospital which he served as a senior consultant surgeon until his retirement in 1976, stands out as a lasting memorial to him.

He took particular pride in the words of a plaque at the entrance: "Here at whatever hour you come, you will find hope and light and human kindness." Wilfred Brennen could well have worn that legend on his breast, for it encapsulated his philosophy of life.

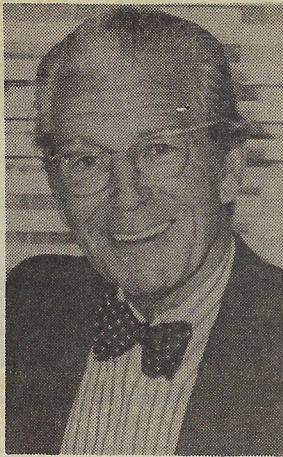
He was educated at Royal Belfast Academical Institution where he captained the school's first XV. He also played for the Ulster Schools' rugby side. He later played rugby for Instonians and was a past president of Inst. Past Pupils' Association.

He became a fellow of the Royal College of Surgeons in 1939 and was the first tutor in surgery at Queen's University. Prior to coming to Magherafelt he worked in the Royal Victoria, the City and the Belfast Children's Hospital.

Mr. Brennen was deeply involved in various voluntary organisations over a period of 30 years. He was a founder and former chairman of the Marriage Guidance Council for Northern Ireland.

A life-long scout, he was former District Commissioner and he also served as Count Commissioner for Count Londonderry. Later he became Chief Commissioner for Northern Ireland and in that capacity he was responsible for the establishment of the Beaver Scouts in Northern Ireland now a world wide movement.

In recognition of his service to the scout movement he was awarded the prestigious Silver Wolf. He was also president of the Baden Powell Scout Guild of Northern Ireland.



Mr. Brennen was also involved in the St. John Ambulance Brigade and had been acting Commissioner in the 1940s and later Tyrone Commissioner for about 20 years. He was also appointed Officer Brother of the Venerable Order of the Hospital of St. John of Jerusalem and later promoted to Commander. He was also active in the NSPCC and the Spina Bifida Association.

In recognition of his services to youth organisations he was awarded the OBE in 1971.

Mr. Brennen was keenly interested in the welfare of the mentally handicapped and was with Mrs. Brennen, largely instrumental in having one of the first special care schools opened in Magherafelt (now Townparks School). He was also the driving force behind the provision of the present Adult Centre and in foreseeing the need for a hostel to cater for the mentally handicapped in later life, much of the credit must go to him for the fine new half million pounds hostel just opened last year for the adult mentally ill at Union Road, Magherafelt.

In local affairs he took a keen interest in the Rainey Endowed School and served as a governor of the school for many years.

Latterly he was also involved with the Magherafelt Association of the Alliance Party and in 1981 he unsuccessfully contested the Magherafelt District Council elections in Area C.

A keen golfer, he was past president of Killymoon Golf Club and he also held membership of Moyola Golf Club. Another of his interests was bird watching.

Mr. Brennen had suffered in different health for the past four years, but took seriously ill a fortnight prior to his death.

FUNERAL

The First Magherafelt Presbyterian Church was filled to capacity for the funeral service. People came from all parts of the Province and from many organisations to pay tribute to a man who had given so much of his life and energy to so many causes.

The Thanksgiving service was opened by Mr. Brennen's brother, the Rev. Cecil Brennen, who emphasised the depth of the deceased's service to the community.

The Rev. Selwoode Graham, minister of the church, who also took part, paid tribute in his eulogy, to Mr. Brennen's flair for life, recalling that at their first meeting Mr. Brennen was characteristically dressed in a red bow tie and bright blue sweater and driving a fast car!

He also remembered Mr. Brennen as a devoted family man who derived particular pleasure in being a grandfather. His lifelong devotion to the welfare of the young was also illustrated by the interest he took in the Youth Choir of the church.

In a reference to the contribution which both Mr. and Mrs. Brennen had made towards the welfare of the mentally handicapped, Mr. Graham said that they had raised the conscience of the community and ensured that future generations would recognise not only the need for services for the mentally handicapped,

but also the useful role that they could play in the community.

Mr. Graham also spoke of Mr. Brennen's most beloved interest in scouting and said that he had taken particular pride in being the first person outside of the Republic of Ireland to be awarded the Order of the Silver Wolfhound by the Republic's scouting association for the work he had done in promoting good relations between the scouting associations in Ireland.

The Ulster medical community was well represented by consultants, doctors and nursing staff from the Mid-Ulster Hospital and by surgeons from throughout the Province.

The Order of St. John of Jerusalem was represented by Sir Ian Frazer and Col. Desmond White. Sir Thomas Brown, former chairman of the Eastern Health Board, also came to pay his respects.

The scouts were represented by the present and past Chief Commissioners for Northern Ireland, Mr. Clifford Boyd and Mr. David Harrison, respectively, while the President of the Scout Association of Ireland, Mr. Joe McGough, was also in attendance. Mr. Liam Kane represented the Mid-Ulster CBSI.

The organist for the service was Miss Margaret Eakin, and Mr. Brennen's eldest son, Christopher, read from the Corinthians.

Following the service the members of the local Three Spires Scout Group under Mr. Lexie Gilmour, Scoutmaster, formed a guard of honour as the remains were being taken from the church.

Interment took place in the adjoining churchyard.

Mr. Brennen is survived by his wife, Muriel, daughter, Paula and sons, Dr. Christopher E. Brennen, Professor of Mechanical Engineering and Master of Student Houses at the California Institute of Technology, Pasadena, California; Dr. Michael Brennen, a consultant surgeon in Microsurgery at the Ulster Hospital, Dundonald, and Mr. Colin Brennen, a partner in the civil engineering company of Scott and Brennen, Coleraine.