

Jack M. Zeiders  
Editor  
292-0107

## march '77

WHAT'S GOING ON IN THE CLUB:

March 4 Olinder Center, 7:30 P.M. General membership meeting

Gerry Rattley will present another of his 'Chart talks', the subject of the evening will be the neat stuff on chart four. The presentation will be illustrated with both professional and Gerry's slides. Feel free to bring your chart, or if you don't have one see John Rhodes for a set.

The meeting will break early to an informal equipment-nite. If you wish to bring one of your pet photon gobblers, come early and set it up in the back. The menagerie shall range from 2.4" refracto-mini-munchers to an 18" Gigianto-equitorialus-reflectorous. Which must be kept behind bars for public safety. The owners and/or keepers will be present to answer questions.

March 9 Los Gatos Red Cross, 8:00 P.M.

If any of the club members have been thinking of making a mirror, come on down.

March 11 board meeting, DR. Gregory's home 8:00 P.M.

March 12 Los Gatos Red Cross, 8:00 P.M.

March 19 F.E.A.O. Skyline site

March 24 Canoas Elementary School, dusk to 10 P.M.

Jim Van Nuland has been in contact with the head honchos of what is called an Extended Learning Program. The outcome of which was a request to have a special event for a group of very interested kids. (Last years session was rained out.)

Kids with an interest in astronomy should be given every chance to develop it, it keeps you off the streets at night, right?

The school is just northeast of Capitol and Almaden Expressways. Bring your paraphernalia and perchance a telescope or two to 800 Wren Dr. and be prepared for answers questions for the youngsters. There will be a test afterwards.

I plan to make a special point to attend, as I hope you will also. If more information is needed call Jim. 371-1307

March 25-6 Fremont Peak State Park, A.A.N.C. weekend star\*party  
There will also be a Skyline F.E.A.O. for those not wishing to drive that far.

April 1 Olinder Center, 7:30 P.M. general membership meeting

Dr. George Nothwang will deliver a talk on the Venus probes.

April 3 Astronomy Day, we as yet have no site. If any of you have suggestions, please contact Gerry or myself soon.

April 8 board meeting, it's finally at my place.

April 9 Los Gatos Red Cross, 8:00 P.M.

April 16 Fremont Peak State Park, A.A.N.C. star\*party

Again a two day outing for those wishing to escape the pit of civilization. However for the less inclined to trek into the boonies, there shall be an event occurring at Skyline.

newz notz provided by Ed Schell

\*The tenth and eleventh moons of Saturn were confirmed. The orbits are so close to the rings that they can only be spotted when the rings are edge-on.

Sceince News Jan. 29

\*Variations in the albedo of Neptune observed at Kitt Peak provide evidence of clouds and weather on the planet.

Sceince News Jan. 29

\* A new technique used at Kitt Peak indicates a 'day' on Uranus may be 23 hours ± 2 and Neptune 22 hours ± 4.

Sceince News Jan. 22

SDAA

# OCCULTING ZONE

## LUNAR OCCULTATIONS

Mar	PST*	Mag	III	E1	CA	PA	Star, Notes
8	10:28:30R	4.6	84-	6	53S	252	$\lambda$ Vir
13	5:13	R	6.5	38-	25	48S	226 M25 AM, twilight
15	3:52:49R	3.2	19-	2	45N	305	
21	6:45:33D	7.4	5+	19	43N	23	Twilight
24	6:39:31D	7.6	24+	51	82S	89	Bright twilight
	7:08:36D	9.1	24+	45	48S	123	Deep twilight
	7:24:44D	8.8	24+	42	46N	38	
	8:28:25D	8.7	25+	30	67S	105	
	8:56:46D	6.3	25+	25	73S	98	
25	10:16:36D	7.9	34+	19	79N	75	
26	7:47:49D	7.0	43+	56	50N	49	
	7:54:47D	7.1	43+	55	76N	76	
	10:17:25D	8.1	43+	39	57S	123	
	10:51:26D	8.2	43+	21	60S	120	
	10:56:45D	8.6	43+	20	37S	144	
27	7:06:44D	8.6	52+	69	79N	83	Deep twilight
	7:39:37D	5.1	52+	65	88N	92	
	11:04:08D	8.1	53+	27	29S	155	
28	7:40:19D	5.1	62+	68	42S	145	
31	2:21:13D	5.5	83+	13	62S	131	$\omega$ Leo, AM time

<u>Red Spot times</u>			
da	mo	d	h m
Th	3	3	7 40 PM
Sa	3	5	9 19 PM
Th	3	10	8 29 PM
Sa	3	12	10 8 PM
Tu	3	15	7 39 PM
Th	3	17	9 18 PM
Tu	3	22	8 28 PM
Su	3	27	7 38 PM
Tu	3	29	9 17 PM

<u>White spot</u>			
da	mo	d	h m
W	3	2	7 17 PM
F	3	4	8 54 PM
Su	3	6	10 31 PM
W	3	9	7 59 PM
F	3	11	9 36 PM
W	3	16	8 41 PM
M	3	21	7 46 PM
W	3	23	9 23 PM
M	3	28	8 29 PM

\* Times are PM except as noted.

$\lambda$  Virginis: Spectroscopic binary, <0.01" separation.

$\omega$  Leonis: 5.9, 6.5 Mags, .5" @ 8 deg. Quick step, maybe a second or less. Should be visible with small scope.

The twilight reappearance of 40' diameter M25 will take 136 minutes, mid-event occurring close to sunrise. Twilight plus moonlight may make observing difficult, the more rewarding if part of the cluster can be seen. Try medium power to keep the lighted part of the moon out of the field. Let me know if you attempt this event. This is the last occultation of a galactic object this year.

## JUPITER

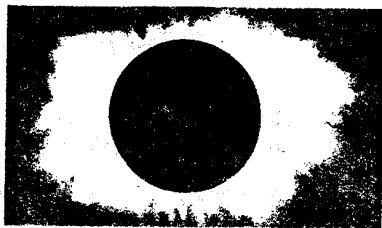
Is the Red Spot still faint pink? Has the Oct. 24 white spot vanished?

My recent efforts at observing the Red and white spots have been unsuccessful due to bad seeing west of my home. Anyone who has been able to follow the spots, please contact me. I must have timings to keep my predictions going. You need no fancy equipment and I can explain the technique on the phone or after the meeting.

Watch for the moon close to Jupiter March 23 and 24 (Canoas School F.E.A.O.).

Jim Van Nuland

YOUR SPECIAL INVITATION TO SITMAR CRUISES'.....



# SOLAR ECLIPSE 11 DAY CRUISE TO MEXICO

This is a unique opportunity to participate in a thrilling adventure... the viewing of a TOTAL ECLIPSE of the sun from the unequalled vantage point of a ship at sea. It's an opportunity, too, to be exposed to view points of celebrated scientific authorities and to make new friends and renewed acquaintances among fellow astronomers.

This voyage will offer members an opportunity that will be unequalled for years to come to be involved in stimulating scientific, cultural, and educational activities. Aboard will be a distinguished staff of scientists to offer their expertise on a variety of fascinating subjects.

Featured on the cruise are:

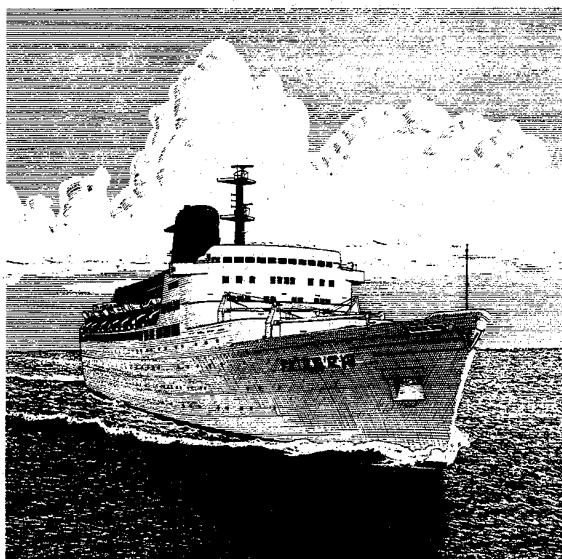
- Dr. Joseph M. Chamberlain, Program Coordinator and Director of Adler Planetarium, Chicago  
Dr. George Abell, Chairman, Department of Astronomy, UCLA  
Dr. J. Allen Hynek, Professor, Department of Astronomy, Northwestern University  
Dr. James Sadler, Professor of Meteorology, University of Hawaii

\*\*\*THIS SPECIAL CRUISE HAS BEEN OFFICIALLY ENDORSED BY THE W.A.A. AND N.A.N.C.\*\*\*

Our Group Will Be Hosted By

MR. FRANK A. MILLER

Director of A.S.P. and Vice President of W.A.A. and A.A.N.C



Sitmar's beautiful TSS FAIRSEA will sail from Los Angeles at 5:00 PM on October 8th. She will position for viewing the eclipse on October 12th.

We will then cruise to the lovely ports of Puerto Vallarta and Mazatlan, Mexico with plenty of time for sightseeing, shopping, or relaxing on their fine Pacific beaches.

Our days at sea will be memorable! In addition to the lecture program, we'll enjoy all that Sitmar has to offer...from their three swimming pools, fun shipboard entertainment and dancing, deck sports, continental cuisine, and showings of science fiction movie classics in the theatre.

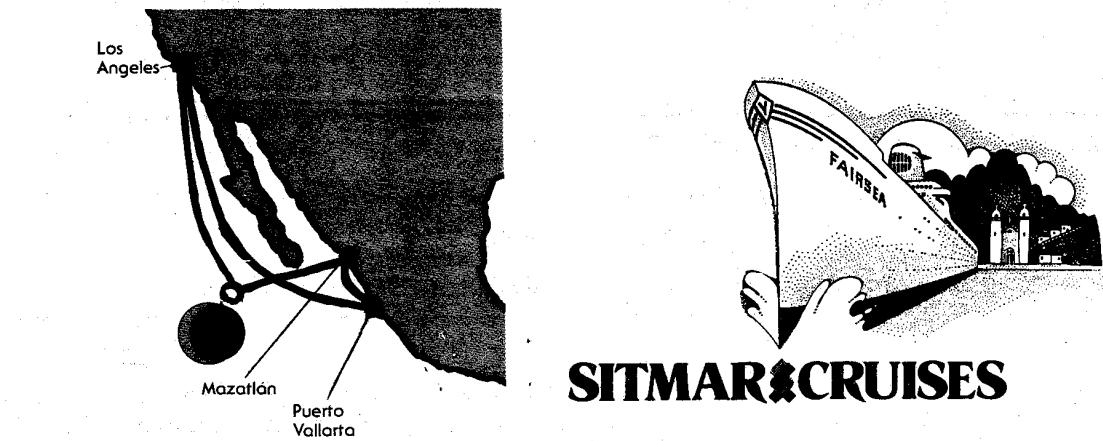
All too soon we'll return to Los Angeles on October 12th...after 11 memorable days at sea! Come, join us on Sitmar's Solar Eclipse Cruise!

CATEGORY AND DECK	REGULAR COST	SPECIAL COST TO MEMBERS
Category 'C' Outside Cabin Ocean or Monte Carlo Deck	\$1270	\$1245
Category 'D' Outside Cabin Europa/Monte Carlo/Acapulco Deck	\$1220	\$1198
Category 'G' Outside Cabin Bahamas Deck	\$1095	\$1073
Category 'H' Inside Cabin Europa/Ocean/Monte Carlo Deck	\$1060	\$1039
Category 'J' Inside Cabin Riviera Deck	\$1035	\$1015
Category 'K' Outside Cabin Lower Bed with One Upper Berth	\$ 995 (Double) \$1495 (Single)	\$ 975 \$1465

\*\*\*\*\*  
**\*\*EXCLUSIVE OCCUPANCY (Single) of cabin Categories 'C' thru 'H' are charged 1½ times the DOUBLE OCCUPANCY rates listed above\*\*Suite or Mini Suite Rates upon request\*\*Third person in stateroom \$765 (subject to confirmation)**

Included in Cost: Shipboard Accommodations\*\*Four Sumptuous Meals Per Day\*\* Astronomical and Photographic Lectures\*\*Movies and Shipboard Entertainment.

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LIMITED SPACE AVAILABLE AT THESE SPECIAL RATES TO MEMBERS AND THEIR FAMILIES.  
Reserve Now to guarantee passage on this unique cruise!

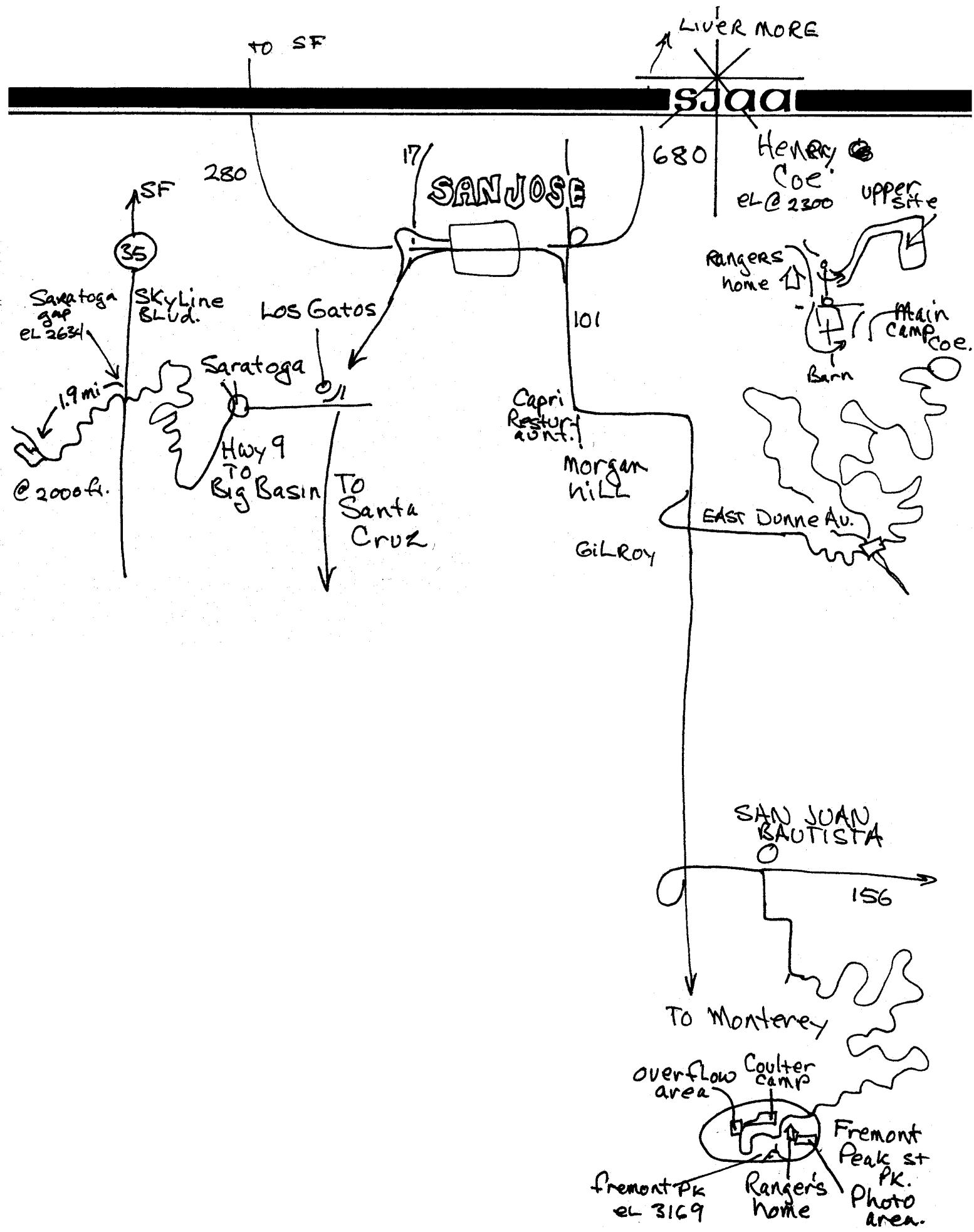
I am enclosing \$100 PER PERSON deposit and wish accommodations in Category       .

Name(s)                                                  

Address                          City                          State                          Zip                         

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Please make check payable to ALL POINTS TRAVEL and send to 205 East 4th Avenue, San Mateo, California 94401, ATTN: Frank E. Peabody. For further information call (415) 348-5050.



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