



sjaa

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 you'r 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 gobbler, come early and set it up in the back. The menagerie shall range from 2.4" refracto-mini-munchers to an 18" Gigianto-equitorialus-reflectorious. Which must be kept behind bars for public safety. The owners and/or keepers will be presant to answere 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 answere 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 occuring 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 23hours± 2 and Neptune 22 hours± 4.

Sceince News Jan. 22

occulting zone

LUNAR OCCULTATIONS

							Red Spot times			
Mar	PST*	Mag	Ill	El	CA	PA	Star, Notes	da	mo	d h m
8	10:28:30R	4.6	84-	6	53S	252	λ Vir	Th	3	3 7 40 PM
13	5:13	R	6.5	38-	25	48S	226	Sa	3	5 9 19 PM
15	3:52:49R	3.2	19-	2	45N	305	M25 AM, twilight	Th	3	10 8 29 PM
21	6:45:33D	7.4	5+	19	43N	23	Twilight	Sa	3	12 10 8 PM
24	6:39:31D	7.6	24+	51	82S	89	Bright twilight	Tu	3	15 7 39 PM
	7:08:36D	9.1	24+	45	48S	123	Deep twilight	Th	3	17 9 18 PM
	7:24:44D	8.8	24+	42	46N	38		Tu	3	22 8 28 PM
	8:28:25D	8.7	25+	30	67S	105		Su	3	27 7 38 PM
	8:56:46D	6.3	25+	25	73S	98		Tu	3	29 9 17 PM
25	10:16:36D	7.9	34+	19	79N	75		White spot		
26	7:47:49D	7.0	43+	56	50N	49		da	mo	d h m
	7:54:47D	7.1	43+	55	76N	76		W	3	2 7 17 PM
	10:17:25D	8.1	43+	39	57S	123		F	3	4 8 54 PM
	10:51:26D	8.2	43+	21	60S	120		Su	3	6 10 31 PM
	10:56:45D	8.6	43+	20	37S	144		W	3	9 7 59 PM
27	7:06:44D	8.6	52+	69	79N	83	Deep twilight	F	3	11 9 36 PM
	7:39:37D	5.1	52+	65	88N	92		W	3	16 8 41 PM
	11:04:08D	8.1	53+	27	29S	155		M	3	21 7 46 PM
28	7:40:19D	5.1	62+	68	42S	145		W	3	23 9 23 PM
31	2:21:13D	5.5	83+	13	62S	131	ω Leo, AM time	M	3	28 8 29 PM

* Times are PM except as noted.

λ Virginis: Spectroscopic binary, $<0.01''$ separation.
 ω 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

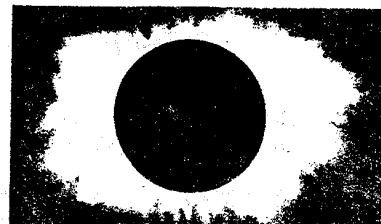
Is the Red Spot still faint pink? Has the Oct. 24 white spot vanished?

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:

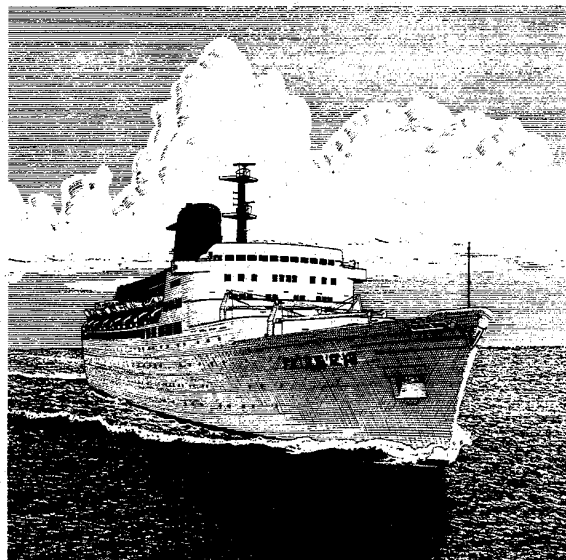
- Dr. Joseph M. Chamberlain, Program Coordinator and Director of Adler Planetarium, Chicago
- Dr. George Abell, Chairman, Department of Astronomy, UCLA
- Dr. J. Allen Hynek, Professor, Department of Astronomy, Northwestern University
- Dr. James Sadler, Professor of Meteorology, University of Hawaii

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.

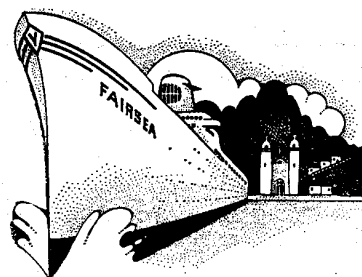
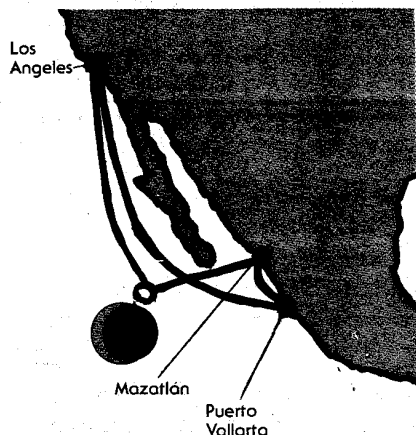
All too soon we'll return to Los Angeles on October 12th...after 11 memorable days at sea! Come, join us on Sitmar's Solar Eclipse Cruise!

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	\$ 995 (Double)	\$ 975
Lower Bed with One Upper Berth	\$1495 (Single)	\$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.

FLY FREE from most major airports in California/FLY FREE from Phoenix or Tucson/Seattle, Portland, Denver...round trip air add only \$25. Fly from over 130 selected cities throughout the USA at greatly reduced air fares via scheduled air lines! Also includes AIRPORT TRANSFERS to ship.



SITMAR CRUISES

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

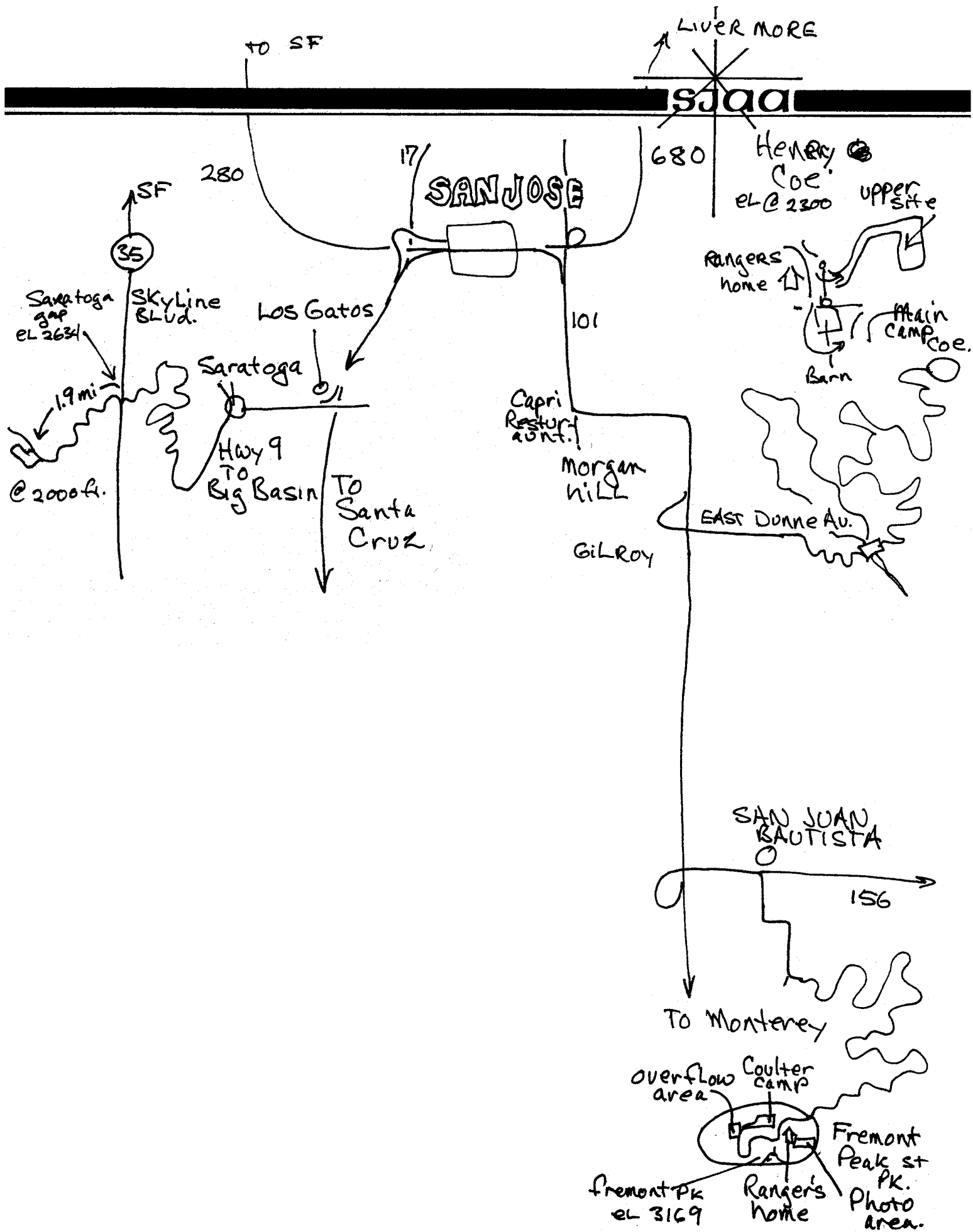
I am enclosing \$100 PER PERSON deposit and wish accommodations in Category_____.

Name(s) _____

Address _____ City _____ State _____ Zip _____

Phone _____

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.



SAN JOSE AMATEUR ASTRONOMERS - MARCH 1977

DAVE AMBROSE	1494 SOLANO AVE #1	ALBANY	94706	269-8262
PETER AREBALO	2151-582 OAKLAND RD	SAN JOSE	95131	946-0421
GENE ASHCRAFT	4560 CAPITOL REEF CT	SAN JOSE	95136	269-4434
RICHARD BARRETT	1520 SANTA MARIA	SAN JOSE	95125	264-4320
LOGAN M BELLEVILLE	18550 SOBBY RD	SARATOGA	95070	379-4989
JOHN D BOWES	1056 MILLER AV	SAN JOSE	95129	
RALPH BRIDGE	10395 JUDY AV	CUPERTINO	95014	252-9396
JACK BUMGARDNER	20352 GILLYCK WY	CUPERTINO	95014	253-0274
ROBERT B CALDWELL	1590 PEACOCK AV	SUNNYVALE	94087	245-3762
BRAD CARLSON	6874 TRINIDAD DR	SAN JOSE	95120	268-5825
DENNIS A CHURCHILL	3541 DALTON COMMON	FREMONT	94536	
GEORGE R COOK	905 SEENA AV	LOS ALTOS	94022	961-1577
BRIAN DAY	1475 KOCH LN	SAN JOSE	95125	266-8690
JOHN DELANEY	2410 WOODLAND AV	SAN JOSE	95128	296-8559
J PATRICK EARHART	251 HOWES CT	LOS GATOS	95030	371-7131
ROBERT FINGERHUT	971 ORCHID WY	SAN JOSE	95117	296-8565
MANUEL FOJO	258 THOMPSON AV	MOUNTAIN VIEW	94040	967-0228
DENNI FRERICHS	6154 OVERDALE AV	OAKLAND	94605	568-2828
H WILLIAM GIMPLE	1486 MEDALLION DR	SAN JOSE	95120	268-7967
DICK GLASSPOOL	5837 BADGER CT	CASTRO VALLEY	94546	886-8843
JOHN GLEASON	2655 KEYSTONE AV #20	SANTA CLARA	95051	241-1058
DR A B GREGORY	5480 FAIRWAY DR	SAN JOSE	95127	258-6095
MIKE GUSTAFSON	1515 JARVIS CT	SAN JOSE	95118	266-3250
WOLFGANG HANISCH	1815 CLEVELAND AV	SAN JOSE	95126	998-0861
RONALD L HANSEN	10941 MIGUELITA RD	SAN JOSE	95113	258-0449
SCOTT HARES	5110 GALLANT FOX AV	SAN JOSE	95111	225-0336
ROSS HRINKO	954 ARLINGTON CT	SUNNYVALE	94087	732-4813
CHARLES INGEBRETSEN	865 SOUTH 8TH ST	SAN JOSE	95112	294-3227
GEORGE D KENNEDY	899 PLAZA DR	SAN JOSE	95125	287-0312
DAVID V KOLLER	7776 HAZELNUT PL	NEWARK	94560	797-8865
JOHN L LLEWELLYN	2360 RICHLAND AV	SAN JOSE	95125	269-5955
JIM LOOS	13680 ROSSMERE CT	SARATOGA	95070	867-1264
DON MACHHOLZ	34-B FILLMER AV	LOS GATOS	95030	356-7727
ROBERT S MALM	299 LANGTON AV	LOS ALTOS	94022	941-1343
JOHN MARTIN	4970 BEL ESCOU DR	SAN JOSE	95124	377-5037
LAWRENCE L MATTHEWS	920 SO CLOVER AV	SAN JOSE	95128	241-9098
DON MC GLAUFILIN	1571 PIEDMONT RD	SAN JOSE	95132	923-5344
WILLIAM L MC PEAK	4563 GRIMSBY DR	SAN JOSE	95130	379-2071
KEVIN MEDLOCK	2306 PROSPERITY WY	SAN LEANDRO	94578	276-2753
ALLAN MEYER	200 E DANA F-117	MOUNTAIN VIEW	94041	969-0716
JACK K MEYER	1415 LOST ACRE DR	FELTON	95018	335-7318
RITA MIRAM	7764 HAZELNUT PL	NEWARK	94560	797-9916
DEBBIE MOORE	5336 HARWOOD RD	SAN JOSE	95124	269-7466
EDMUND C MORGAN	1964 KIRBY WY	SAN JOSE	95124	377-4393
THOMAS MUNGALL	1141 HOLLYHEAD LN	SAN JOSE	95129	257-3262
J EMMET MURPHY	65 SOUTH 9TH ST #3	SAN JOSE	95112	287-3262
ANTONIO NAFARRATE	343 PARK HILL DR	MILPITAS	95035	263-5415
NORMAN NEINCHEL	190 ROSE CT	CAMPBELL	95008	378-4488
RICHARD OLLINS	2479 AMARYL DR	SAN JOSE	95132	259-0270
CATHY PINHEIRO	140 FOSTER RD	LOS GATOS	95030	354-4169
RICHARD PUGH	1090 BENT OAK LN	SAN JOSE	95129	253-3998
GERALD W RATTLEY	185 HOMESTEAD RD #2	SUNNYVALE	94087	732-0202
JOHN D RHODES	1205 PAYNE CT	LOS ALTOS	94022	969-2615
GARY & JACKIE RICE	15 COLEMAN PL #5	MENLO PARK	94025	325-0409
RICHARD RODGERS	1020 GOLF CT	MOUNTAIN VIEW	94040	961-5458
RICHARD W SCHAUPP	22295 CARTA BLANCA DR	CUPERTINO	95014	732-3559
ED SCHELL	P O BOX 1345	LOS GATOS	95030	356-7498
ROBERT A SMITH	1687 MERRILL DR	SAN JOSE	95124	264-0541
GILBERT SOTELO	182 MUIRFIELD DR	SAN JOSE	95116	
BILL TAMBLYN	1176 DRESDEN WY	SAN JOSE	95129	253-2278
JAMES VAN NULAND	3509 CALICO DR	SAN JOSE	95124	371-1307
JAMES R VERMILION	10171 RICHWOOD DR	CUPERTINO	95014	255-7367
NORMAN D WILD	7557 OPANGE BLOSSOM DR	SAN JOSE	95129	252-8966
ETHAN A WINSTON	17784 ARAPAHOE TRAIL	LOS GATOS	95030	353-3273
JACK M ZEIDERS	725 MINNESOTA AV	SAN JOSE	95125	292-0107