

Dec 6

1st Wednesday

Sally 19:20 -

R. Veen 19:20

Scott Laskowski

FRANK ROLDAN 19:50 - 22:15

Lana Silke 20 - 21:58

Paul Hess 19:50

Fritz Miller 19:50 -

Dec 07 TROSS 2:55 - 4:15 am

7 cm TRANSITS (Jup)

T5 S3-5 WINDY

Dec 08 TROSS 2:50 - 4:40 am

18 cm TRANSITS (Jup) T-5 S3-6

Dec. 9 Sally W. 10:30 - 12:45 library, occ. reports.

Sally 11:30 - 15:00 WORK

Dec. 10 J. Kuehler

dropped off ladder for 20"
looked for meteorite display met'ls.

Dec 12 TROSS 2:15 - 2:45 am 2 cm TRANSITS (Jup) T5 S2-3

Dec. 16 Sally W. 12:00 - 13:00 library research Meteorites found scattered in bottom

ROB REISNER 12:00 - 12:45 of cabinet - now with Sally W. at home

F. ROLDAN 23:00 - 23:15 DELIVERED MAGAZINES

FOR SALLY W.

DEC 22 J-T IN CONT

1990

JAN 2

Sally 16:30 - 23:45 50CCS.

7 HIPPARCOS STARS 11 EB MINIMA 1 RR MAXIMUM

Jan 03 TROSS 1:50 - 2:45 am

3 cm TRANSITS (Jup) T5 S3-2 WINDY

368
1990
AN 3

Snrk 19:38 - 22:00

Sally W. 19:38 - 21:05

Paul Hens '1

Wayne Berner 19:39 21:05

Scott Laskowski 19:39

R. Miesew 19:50

AN 6

Snrk 0:45 - 6:45 6 EB MINIMA 49 HIPPARCOS STARS

AN 6

Snrk 12:30 - 3:45 WORK ON NEW DOME

S. Kuchler 4:55 - 5:15

dropped off O'Hennell Calendar
changed tape message

an 6 Gregg Cieslak 18:02 - 21:00 Keyholder
NICE NIGHT - NO CUSTOMERS NO KIDDING?

Jan. 13 Paul Bachant 1:05^{PM} - 2:30^{PM}

Sally & Ken W 18:10 - 18:50 obs Jupiter, red spot, clouds

JAN 14

TROSS 10:45 pm - 12:30 am

24 cm TRANSITS (JUP) T4 S3-5

JAN 15

TROSS 11:55 - 2:25 am

5 cm TRANSITS (JUP) T2 S3-5 clouds

Jan. 16

Sally W. 14:05 - 15:40 library inventory complete, all books accounted for

Jan. 18 Paul Bachant 2:15^{PM} - 9:00^{PM}

Jan 14

TROSS 11:50 - 2:40

7 cm TRANSITS (JUP) T4 S2-5

Jan 14 Sam Kuehler - took over head proj.

Jan 27 Sam Kuehler - snow plowing
Shoveling - changed tape message.

Lee Keil - 2:15-8:15 Hang posters

GERRY - there is a set of red lights on the
back table behind you. Use them as you
wish or throw them out! LK

Sally W. 15:05-16:40

library - took Focal Points 9/86 +

Jim + Dorothy Kube 15:45- obtain slide info.

Sally 22:30-

2 EB MINIMA 19 HIPPARCOS STARS

FOUND BACK DOOR OPEN

Jan 28 Returned books Chris Kline 9:45-10:00

Sam Kuehler - 18:30-20:00

24:00-300 Jupiter photos on 'B'scope moderate wind
Necrotic 7 Lx $T=5-6$
 $S=2-4$

Jan 29 Sally W 16:35-18:50 returned Focal Points, library, 6th occ.

JAN 30 Sally 18:00-22:00 2 EB MINIMA

40 HIPPARCOS STARS SOME CLOUDS

Feb 3 L. Keil + Z. Wesener - put up more posters
3:30-4:30

FEB 04 Tress 10:45pm - 12:00am 2 cm TRANS JUP (Jup) T^3
 S^2-3

FEB 7 Sally 19:00-21:00 1ST WED

Bill Pachert

Wanda Berman 19:18 20:50

Scott Laskowski

Dr. Weisen 19:22

Kyle + Sally Waraczynski 19:30 - 20:50

Lana Seel 20:00 - 20:50

Feb 8 M. McNee 4:30 PM - 5:00 PM
work on slide show for Girl Scout Program

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1990

Feb. 9 14:45-14:50 Sally W. *slide index out

Feb. 10 13:05-13:45 Sally W. returned index. etc.

Paul B. Harts 11:15 PM - 12:30 AM

3/11 Tross 11:05 - 2:00 AM

3 cm TRANSITS (JUP) T4 S2-3

Feb 12 11:50 pm - 12:30 am

12 cm TRANSITS (JUP) T4 S3-6

6/17 Sun Kachas 1:15 - 2:45

Snow shoveling

returned projectors

changed tape message

17/90-John Pannerst 8:15 PM - 9:35

KEYHOLDER

7-90 Jeff Moll 8:45 - 9:35

Jane Hermann 8:45 - 9:35

Tross 10:45 pm - 12:30 am

5 cm TRANSITS (JUP) T4 S2

3/12 2:00 PM John A. - work
out 2:20 PM

Tross 10:50 pm - 12:05 am

3 cm TRANSITS (JUP) T4 S2

2-19 PETER SMITKA — TOUR 7-9 PM

2-19 Jeff Bauer

2-19 Brian Red

2-19 CAROLYN PIERCE

2-19 Jennie ~~Afla~~

2-19 Scott Rabke

2-19 Matt Dwyer

2/19 Sara Lynneiwig

2/19 Joel Wille

2/19 Betsy Rawlins

2/19 Heather Callison

2/19 Craig Tayer

2/19 Tom Owen

2/19 James Rychart

2/19 James Chaykowski

2/19 Tom Schmitt 9³⁰ 12¹⁵

2-20-90 San Gabriel 7:00 p.m. - 8:00 p.m.
Paul Bacha 7:25^{PM} 8:50^{PM} Jupiter
photos

Feb. 21 14:15-14:30 Sally W. library

FEB 24 Suf DPOP off 20 PM RECORDER

FEB 27 Suf 18:30-20:45 8EB MIN 1RR MAX 143 OBS.

TROR 6:45 pm - 9:00 10cm TRANSITS (1up) 52-4 T5

FEB. 28 Paul Bacha 12:15^{PM} Took #5 PORT-A-SCOPE

Sally W. 14:00-15:30 library, snow

Herself 20:45 pick up pin for recorder

MAR 1 Suf 18:20-22:00 26 HIPPARCOS STARS

5 OCCULTATIONS 2EB MIN 1RR MAX

MARCH 2 Paul Bacha 12:00^{PM} - 12:30^{PM}, RETURNED

#5 PORTA SCOPE, SET-UP EQUIPMENT ON
"A" SCOPE FOR TONIGHT'S M-45 OCULT.

372

MAR 2 1990

M 45 OCCULTATION

Sun 17:30 - 0:30

Karen Wessner & Lee Keith 6:06 p.m.

Scott Laskowski 6:06

Paul Bachart 5:45 PM - 12:15 AM

Chris Hensel 6:15

~~Lee Keith & Karen Wessner~~

Ken & Sally Waraczynski 19:40

R. Wiesen 19:49 23:15

Tom Bardenwerper 20:00 - 22:50

D. Kuehler 7:20 - 12:15

W. Berner 20:00 - 23:46

Vig & Mary Ann Jangrey 8:20

Scotty & Jim Kube 8:20 12:15 AM

Paul Hess 8:20

Jana Sille 8:10

John A 9:00 PM

MAR 3

Sun 19:00-20:00 MEMBERS NIGHT
PARTLY CLOUDY

3-7

1ST WED.

Jim Toellet 7:21

Scott Laskowski 7:21 8:30

Tom Bardenwerper 7:24

Sun 19:30 - 20:30

Wiesen 19:30

Sally W. 19:30 - 20:30

Wanda Berner 19:30 20:30

Paul Bachart

Frank A. Meyer

Jerry Shultz 7:30 8:30

Mar 10 S. Kuchler 1:30 - 2:00
trash pick-up
straightened Q-hut
retn'd projector slide tray

Mar 13 Tom Bunn fix furnace. 11:00 - 5:00
J TOELLER

Wanda Berner 11:00 - fix furnace - 15:43
ANALYSIS TOOK 2 BOOK OF EB CHARTS

Mar. 17 Sally W. 1330 - 1345 library

Mar 21. Tom + Wanda Berner 2 - 2:30 check
furnace measure posts.

Mar. 23 Sally W 10:50 - 11:15 library

Mar 24 S. Kuchler - changed tape message

2:00 - 2:15

March 24 Virg. Tongue Keyholder 7:00 P 10:00 P
~~Red Chalk~~ 8:30 P.M. 10:00 P

3-26 7th Schmitt - 10th

Wanda + Indian pathos 2 hrs stopped by

3/27/90 - John Pfannersill 7:00 PM - 9:00 PM
with Guest Dan Wendt looked for Comet Austin
and general observing. Borrowed "Astronomical Scrapbook".

3/28/90 Weckert pick up pin for recorder.

3-30-90 Paul Berharts 4:00 PM - 4:15 PM
L. Kent 5:50 - 9:30 PM

Young Astronauts group

Can't get Miranda camera to work. Is it broken
or is it me? Also - Where's the slide projects.

3-31-90 L. Kent + Wesener 5:45 - 9:00
VW Class

Jim + Dorothy Kube - return slides and
projector
18:00 - 18:30

APR 3 1990

Surf 19:00-23:30
Paul Bacha 2:45 PM - 9:15 PM

2 EB MINIMA 11 HIPPARCOS STARS

5 OCCS. MERCURY, JUPITER SMALL RED AURORA

April 4, 1990 First Wednesday

19:25 R Nielsen

King & my own Targray 17:25

Scott Laskowski

Surf
Tocher

Sally W. 19:35-20:45?

July 11 Fry

Wearle 21:20-22:25 / car off pins &

Apr. 5

Sally W 13:45-14:00 library

M. McNeely 5:40-8:35 PM Girl Scout Town

L. Keel 6:15-9:10

No Auster comet found!

B. Kuehler 7:50-8:15

Sally & Ken W. 20:10-20:35

April 6 Karen Wesener & Lee Keith 10:55 p.m. photograph
Jupiter. out - 11:45 p.m.April 7, 1990 5³⁰ pm called by New Berlin
Fire Dept because of fire
north of our property

Left at 5:45 pm.

Front Gate padlock open
& won't close.

20:00 Back fixed lock out 22:00

8:00 p.m. D. Kuehler Out 22:00 Reviser

4-9-90

Board Mtg L. Keel & Wesener 7:00-
J. RennerSurf
R. Jensen MD 1930
Paul Bacha
B. H.

1990

375

San Kueher - 7:15 - 9:20

John A 9 - 9:45 P

April 11 - S. Kueher 6:45 tour out 9:00

April 14 Sally & Ken W. 15:00 - 16:00 cleaned north bird house (south wouldn't come down)

Jerry Glocka 15:00 - 15:15 took slides out

Noted rodent (?) damage in front hall.

4-16-90

Lee Xueh UW Astronomy class
6:00 - 9:30

Sally W: Ranger Rick booklet in in with
"New Arrivals" OK, thanks

Tom Schmitt 905 11:15

4/17

Tom Schmitt 845 → 11:00

APR 18

Sally 19:30 - 21:30 FEB IRR 32 HIPP. STARS

John A 7:45 - 10:15

4/23

L. Xueh UW class 5:30 - 9:10

Apr. 24 11:30 - 11:55 Sally W. - library

4/25 Schmitt 845 : 11:00

4-26

John A 5:30 PM Donated 1980-89 astronomy
to OBS.

4-26

S. Kueher

APR 29

Sally

L. Xueh UW-Waukegan class 5:45 - 9:50 PM

May 2

Ken & Sally Warkowski 7:30 - 8:50

Sally 19:30 - 21:00

Wanda Bern 19:30 - 21:00

Jerry Glocka

Tom Milner 19:55

Jim DOLLER 19:55

1990

May 4 L. Kerd Spring Clean-Up 6:30pm-8:10
 J. Wesener

Ken & Sally Waraczynski Clean-up 6:30-8:10

Wayne & Tom Berner 6:30-8:10

May 5 Ast. Day

J. Toeller 12:52

Tomlinson 10:52

L. Kerd 7:30-11:00

M. McNeel 12:45

R. Weener 13:55 23:15

Sally & Ken W. 14:10 11 - 23:00

Chad Andrist 2:28pm - 12:00 AM.

Karen Wesener 6:30pm ~ 11:00

B. Laniere

Greg Kiegler

Wayne & Tom Berner 3^{to} 11

FRANK ROLDAN 20:30-08:30

MAY 6 Saff 1300-16:30 YARD WORK

TRoss 8:30pm - 9:35pm 1cm Timing Top.

May 7 L. Kerd UWW Class 5:40pm 10:37

MAY 10 F. ROLDAN 14:45 DELIVERED ADAPTOR

Saff FOR "B" SCUP
 CHECK FOR STORM DAMAGE

May 11 19:35-20:05 Sally W. library

MAY 14 J. Toeller

L. Kerd

J. Wesener

Paul Bachard 7:30-10:00

Sally W.

Don Re

5/14/90 Cant

B. Wier 19:30

James Nick Nichols 19:30 - 9:20

B. Lanier

May 20 Sally W. 19:05 - 10:35 library

Sally 13:15 -

May 21 L. Keith 5:15 - 11:00 UWW class

23-May D. Kueber 7:15 - 7:30 changed type message

May 26 J. Toeller key holder 7:21 - 9 PM. cloudy

CUT PART OF THE FIRE

May 27 Matthew + Mark McNeely
9:15 - 11:20 AM lawn workMay 28 Sally + Ken Waralzyński 14:45 - 16:15 library, yard
watered 2 trees (no faucet?) 2 boys from next door climbed
Adorne roof for the view - they were asked to get down & did so.MAY 29 Sally 20:30 - 23:50 4 EB MIN, 1 OCC.
Bike Patch

6-1-90 L. Keith 8:41 - 12:00 UWW Astrophoto Class

W. Berner 8:41 11:55 " " "

JUN 2 Sally 20:30 - 23:00

MEMBERS NIGHT - CLOUDS

Gerry Graef 8:45 - 9:15

Chad Andrist 9:22 - 11:20 PM - Picked UP

TM 1-16 Thai

June 6 Dan Kueber 6:25 Tour

B. Wier 7:30 1st Wed.

J. Toeller

Wanda Berner 7:15 9:30 1st Wed.

Gerry Graef 7:30 - 8:00

Sally

Brian Lanier 8:30 - 9:30

Frank & Joyce

Anita Walker

June 11 M. McNeely - Terry McNeely 4:25 PM -
6:00 PM

1990

JUN 11

L. Kent 5:36 - 9:45 Board Mtg.

Suff 18:30

Sally W. 18:45 - 21:40

Wanda Berner 7:05 Board Mtg. 9:45

J. Taethy

M. McNeely 7:25 - 9:45

Jeanne + Nick Michel 7:25

Tom Renner 7:20 -

R. L. Kessen 7:15 pm.

Judy & Dorothy Kube 19:13 out 21:38

Paul Barnard 7:30 - 8:30

B. Lanier 8:15 - 9:30

JUN 13

Suff WORK

JUNE 14

Ken & Sally Waraczynski 11:15 - 1:25
(Planting Flowers)

6/15 L. Kent 9:00 - 12:00 VWV Class

L. Kessen 11:00 - 12:00

W. Berner 9:00 - 12:00

JUN 16

Suff 17:30 - 24:00

Wanda Berner 7:20 - 10 P.M. trip mtg.

R. Kessen 19:20

Sally & Ken Waraczynski 19:25 - 22:00

Dor & Mary Kessen 7:30

Nick Michel 19:30

JUN 17

TRIP 7:45 - 11:40 pm

Tak Clark Lens home for Mount.

Suff 21:00 - 24:10 2EB men 30 LPV's saw 14.5

JUNE 18

19:30 - 20:30 Sally & Ken W. yard

JUNE 19

18:30 - 20:00 Kessen's meet with younger members

18:45 - Chad Anderson Step 1 - Computerized

L 20:00

Telescope - Mount + Design

JUNE 21

13:15 - 13:50 Sally W. library

JUNE 22

8:41 - 11:00

L. Kent VWV class

lights were left on!!

JUN 23 *Griff* 12:00-18:00 YARD WORK
PHONE OUT / WILL FIX TOMORRO

Sanf 20:00-4:30 6EB MIN 18 LPV'S
Schmidt 9:30-3

JUN 24 *Chad [unclear]* 10:20 p.m. - 2:45 A.M.
Griff 10:00-17:00 YARD WORK
Herseltin 13:50-17:00 " "
RUB REISERER STEPHAN NEWKILL TAPES

June 27 M. McNeal 6:00 PM deliver appols
Sugo - yard work 8:05 P.

8/29 Ken & Sally Waraczynski 19:30-20:50 yard, library
L. Keel 8:30-12:50 AM UW class
Wayden Berner, 8:40-12:50 AM UW class

JUNE 30 J. Teller 7:26 KETTER 1221

Tom Bordenmeyer 9:00
Will Russell 9:00

Gery Graft 9:30-12:00

Chad [unclear] 9:30 p.m. 12:15 A.M.

Wayden Berner 10:30

Ken & Sally Waraczynski 10:30 - 12:05

July 1 " " " 1:40 - 2:40 (Yard work)

July 2 Dan Kuehner 4:30-4:45
FIRE INSPECTION w/ N.B.
FIRE DEPT PERSONNEL.

July 3 Ken & Sally Waraczynski 9:00-10:50
(Yard work & library)

July 5 M. McNeal 1:25 PM - 2:45 PM
land work - lawn - tractor with it
L. Keel 9:25-10:50 Showing friend.

1990

July 6

Sally, Waczyynski 15:00 - 17:15 magazines, book sale prep.

Sally & Ken W. 19:30 - 21:50

"

July 8

F. ROLDAN 13:00 - 14:25 VISIT - IN TOWN!!!

GROUND CABLE "A" DOME NEEDS SPlicing.

Sally & Ken W. 19:00 - 20:00 watered trees - book prep.

July 9

Board Meeting

L. Keith 7:00 -

Sally W. 7:00 - 9:30 yard-board

Dorothy & Jim Kube 7:15 - 9:15

Paul B. Burt 7:00 - 9:00

Dan Kueber

R. Steen 19:15

M. McDeef 7:30 PM - 9:15 PM

W. Berner 7:30 PM. 9:15 PM.

B. Linn 7:35 pm

J. Toller

July 10

14:00 - 15:45 Sally W. library, trash

7:00 p.m. - 8:30 p.m. TRACTOR MAINTENANCE

Dan Kueber

July 11

First Wednesday

M. McDeef 6:00 PM lawn work 8:30 PM

Chad Andrus 7:25 PM - 9:30 PM

Ken & Sally W. 19:25 - 10:05

Wally Berner 7:30 - 10:30

Scott Jackson

Tom Miller 8:00 - 9:30

Paul B. Burt

July 13

Sally & Ken W. 12:30 - 2:30 yard

Wally Berner 6:00 PM / 10:45 PM.

L. Keith 7:00 - 10:30

S. Wess

open house

1990

381

July 13

Paul D. Hess 7:16

5290

col
attached

Julie & Fred brought along Milwaukee Time Lot members

Cheryl Baumann

Barbara Brown

M. McNeel 7:15 - 10:30

Dianne & Marty Brunet Jr.

Rudy Puerzer

Edward Hering

Jay Badenhop

R. W. Wren MD 7:15 pm

Gerry Graef 7:40 pm - 9:30

JIM & DOROTHY KUBE 1947 - 2212

R. G. Olson 1947 2930

Chad Christ 7:15 pm - 10:30 pm

Brian Shire 8:25 - 9:40

Jana Lick 8:15

J. Taeller 8:30

Ken & Sally Waraczynski 7:30 - 10:15

Scott Laskowski 8:00 - 10:15

July 14

Paul Bachman 11:00 AM, 11:30 AM

FOUND FRONT DOOR UNLOCKED!!

Don Kueber 10:15 picked up cash box

July 16 Sally W. 14:45 - 16:30 yard, book sale prep. WATERED TREES

July 18 Sally & Ken W. 10:45 - 11:30 yard

M. McNeel 10:45 - 1:30 lawn work

July 21 M. McNeel 12:50 pm Picnic

Dick Wiesen 13:50

Ray Zitt Mary Wick

Scott Laskowski 1:45 - 10:00

Don Milner 13:40

J. Karl F. Wiesen

Picnic

July 21
(cont.)

Ken & Sally Waraczynski 13:40 - 22:00
Chad Andrist 2:30 pm - 8:25 pm
Jim & Dot Kube 14:30 TO 2200

7/24 Schmidt 9:30 → R

July 25 Ken & Sally W. 10:40 - 11:55 talk preparation - took 1 lunar globe
survey team on grounds

July 26 M. McNeely lawn work 12:15 PM - 2:00

July 27 Dan Kueber 6:40 dropped off cash

Ref
L. Keid Open House 6:45 pm - 9:50
J. Wesener " "
R. Wreger and 1940
M. McNeely 7:30
Ken & Sally Waraczynski 7:10 - 10:40
Paul Hase 7:51
Jim & Dorothy Kube 7:51 - 9:45
Markus Brunetti
Scott Laskowski 7:45 - 9:45
Chad Andrist 8:15 - 10:15

July 29 Sally & Ken Waraczynski 20:10 - 22:10 occultation, library.

July 31 Paul Bachardt 3:30 PM - 3:45 PM
TOOK #9 PORT-A-SCOPE,

Aug 1 Night Targary 7:30 P 8:35 P
David P. Smith

Nayden Fern 7:30 P.M. - 10 P.M.
Ken & Sally Waraczynski 7:30 PM - 10:30 - 30cc.
Jim & Dorothy Kube 1979 - 10:30
Sally 19:00 -
Schmidt TOM 7:30

Aug. 2 Sally & Ken W 19:00 - 20:30 waterino

8-3 Virgil + Mary Ann Tongrey 6:30 P.M.
returned some star charts

8-4 M. McNeel 10:00 AM - deliver
Apollo Scope to member

8/4 Gregg Cieslak - Keyholder - 7:00 pm - 12 midnight.
Brian Sallum 9:05 pm - 9:45 pm.

A member by the name of 'Dan' left
his 7x50 Sunset Binoculars here tonight.

They are in the vertical Reference file
cabinet.

AUG 6 *Sam* Gregg Cieslak 8/4/90
BUTK MTG.
Jim + Dorothy Kube 7:19 - 10:00
L. Keith 7:19
R. Kresen 19:20

Jeanie + Nick Nichols 7:25

Wayda Berner 7:30 - 10 PM

Sally Waraczynski 19:30 - 20:45

Brian Honore 7:35 - 9:45

M. McNeel 7:30 - 9:45

T. Smith

Tom Renner - 7:30 - 9:45

AUG 8 *Sam* 17:30 - 19:00 ELECTRICAL WORK

AUG 9 M. McNeel 4:00 PM lawn work - 6:45 PM

Aug. 10 Sally + Ken Waraczynski 12:30 - 3:00 cleanup, library, yard

Lee + Karen Keith 7:00 - 9:42

Open House

R. L. Kresen MD 19:15

5453

Paul D. Hess 19:30

5354

Virgil Tongrey 7:30 P 8:00 P 99

attendance

David Warren

Dan Reinold

TONY Lontkowski JR 7:30 PM

Shirley Brungler 7:30

Ernie Antkney 7:30 PM

1947 - 1130

Aug. 10 Ken & Sally Waraczynski 7:30 - 9:30
 Martin C. Brunel Waukegan
 Jeanne Kreep Marshfield
 Tom & Wendy Berner 7:30 - 10 PM.
 David W. W. W.
 Doug & Mary + Boys - New Berlin
 Tom Milner - 18:35 - 19:45
 Joel 8:50
 Scott Laskowski

Aug 11 90 B. Donier - Keyholder 8:10 - 9:30
 Ted W. Berner 8:10 9:30
 Thomas C. Milner 20:15 - 21:22

AUG 12 Surf 10:30

FOUND SATELLITE SHED
 DOOR OPEN - NOTHING MISSING

K & S Waraczynski 14:55 - 15:20

AUG 13 A Toelke 6:00 Watering plants
 met W.S. (FIRE EXT.) 6:15

Schmidt 8:30 10:30

Surf 21:22 - 4:00

Scott Laskowski 10:10 - 3:45

Peter Maaser 10:30

Hesselt 10:45

Dorothy + Jim Hube 11:00 - 3:45 Pleides reaps

Sally & Ken W. 11:30 - 3:50

Wendy Berner 11:30 - 3:45 A.M.

Paul Bachard 12:00 AM - 3:30 AM

Lee Keith + Karen Wesen 12:20

Virgil + Mary Ann Stonyney 1:00 AM

AUG 14 M45 PASSAGE - BEST IN YEARS.
 Surf RETURN GRAZE EQUIPMENT
 SLIT DRIVE ON NEW DOME OUT
 OF ORDER

August 19 M-McDeely 9:50 AM work on new dome in
 8-21

1990
August 23 - M. McNeely 6:00 PM - 3:50 PM ^{work} lawn

Aug 24, 1990
Scott Laskowski 7:30

10:00-out
Zed Andrist 7:45 ^{pm} → 10:00 pm
Ken & Sally Waraczynski 7:30 — 10:15
Tom & Wanda Berner 7:30 — 10:15
Lena Seltz 8:30
Paul Hess 7:30 — 10:15
Marguerite Family 8pm
Martha Keltz 8pm
Joel 9:00 9:50 DROP OFF
2 - FIRE EXT.
Jim & Dorothy Kube 8:00 — 9:55
Jon M. Miller 21:30 — 22:15
M. McNeely 7:00 — 10:05 PM
AUG 25 Saff 9:00 — 11:00 - WORK IN NEW BLDG.

TRoss 8:05 pm — 11:45 Keyholder
Found Eyepiece ^{Focuser} ASSEMBLY NOT screwed onto tube "A" Scope
R. REISNER - 10:00 pm
Peter Maagler
Dan Reindl + Nicole

AUG 26 Saff 10:00 — 16:00 WORK ON NEW DOME
AND Z SCOPE. SURVEY FOR NEW GARAGE

AUG. 29 Ken & Sally Waraczynski 10:30 — 12:15
Watering
Saff 20:10 — 24:00 4 EBMINIA
Sally W. 21:30 — ~~22:30~~ 23:30
Paul Bachmann 11:15 PM — 1:10 AM

AUG 30 TRoss 4:35 am — 5:35 am 5 cm Timings Jvp.
Very long FILAMENT following GRS - $T = 4$
IS NOT PARALLEL WITH rest of BELTS $S = 3-7$

1990

Aug. 30 15:10 - 15:20 Sally W. Library

Aug 31 T Ross 4:35 - 5:35 am 4 cm TRANSITS Jup.
 AN oddly shaped SEB is visible AGAIN
 BELT IS STILL IN FORMATIVE STAGE $T=5$ $S=3-6$

Sep 1 ~~Sally~~ 1:14 - 5:45 4EB MINIMA -
 EP AUR. NO MIN AT PREDICTION, MAY BE
 EARLY. 25 LPV's. OCCULTATION OF
 AGK3 + 290648 by 81 TERPSICHOE, A
 MISS WAS RECORDED. MARS - JUPITER, FAINT
 SEB NOTED SEEING POOR.

Sept 02 T Ross 3:00 - 5:30 Jupiter Seeing Vary Poor
 PARTIALLY OVERCAST

~~Sally~~ 12:30 - 15:45 WORK ON NEW DOME
 Sep 03 ~~Sally~~ 1:00 - 6:00
 6EB MINIMA 26 LPV's

T Ross 3:15 - 6:00 2 cm Timings (Jup) $T=5$ $S=4-6$

Sept 05 T Ross 4:25 - 5:15 AM Hazy to Cloudy

Sep 05 ~~Sally~~ 18:00 - 21:30
 WORK ON NEW DOME - 1ST WED.

D. Koehler - dropped off cash-box
 6:30 - 6:50

Julia Fry 7:45 pm Picked up my calculator
 Wanda Berner 7:32 - 9:30

Deborah Fry

J. Taeller

J. D. Kube 1937 2115

Scott Laskowski

Sept 6 Tom & Wanda Berner - flash A Dome 10 AM to
 Sept. 7 Tom & Wanda Berner - work on scope pole 1 PM
 1:30 PM.
 3:00 PM

Sept 9 M. McNeely lawn work 4:30 PM - 6:45^{PM}
L. Kerk - Karen Weser OPEN House 6:45 - 10:30

" Nigil Tongray 7:15 P 8:45 P
Dorinda Wanner 7:15 P
Paul Hess 7:27

Don + Neal Reindl

" Alan Dyer 7:10
Scott Laskowski 7:30

R Weser 19:00 22:00

J. & D. Kube 1951 TO 22:02

Michelle Buller
Angela Balles

Rose Ann Flasch

Tom + Wanda Besser 7:15 - 10:15
J. Tailler

Sept 8 L. Kerk UMW class 6:34 - 12:20

Jim + Dorothy Kube 8:30 - 9:00 #3 + 18 mm eyepiece
scope to probe

Sept 20:30 - 22:00 PREP FOR GRAZE

Nicole + Dan Reindl

Chad Christ 8:30 - 9:45
Neville 9:30

Gerry: I dropped "A" scope paddle; some of the
buttons stuck. - Sorry - L. K.

Sept 9 Sept 2:00 - 3:30
RETURN GRAZE EQUIP.

REPAIRED A SCOPE HAND PADDLE

ASTEROID OCC FOGGED OUT!

Sept. 10. Paul Bachant - 5:45 - 9:00

Tom Renner 5:45 - 8:45

LC Weser 19:15

M. McNeely 19:20 - 8:55 PM

Nick + Jeannie Nichols 7:30

B. Larive 7:35 - 8:50

D. & D. Kube 18:50 TO 21:00

SK

1990

Sept 11

Tross 4:10 - 5:35 am North & South Components
of SEB visible - many dark spots forming
on both components. GRS engulfed in
North component of SEB. GRS not well defined
7 cm Timings T4 S2-5

Sept 14

Tross 4:30 - 5:45 am Seeing 0 Clouded up

Sept 15

Surf 12:00 - 16:30

YARD WORK - WORK ON NEW DOME
FOUND DEHUMIDIFIER IN NEW BUILDING
SHUT OFF.

Sept 17

Yamires 7:30 - 8:30

Paul Bachart 7:15 - 8:30

Sept. 18

13:00 - 14:50 Sally & Ken Waraczynski yard, library

Sept 19

Surf 19:15 - 24:00

SEB MINIMA - CLOUD PROBLEMS THROUGHOUT

Sept. 20

Paul Bachart 3:45 AM - 6:00 AM

Tross 4:05 - 5:45 am

Sept 21

Open House #6

5711

J. Kaehler - 6:50 - 9:50

5550

P. Wiesen 1940 22:25

161

Jim & Dorothy Hube 7:15 - 10:30

Ken & Sally Waraczynski 7:15 - 11:00

Karen Wozna & Lee Keith 7:25 - 10:30

Julie & Frey 7:30 brought Milwaukee Time Lord

Cheryl Baumann members

Scott Bruckow

Greg Ziegler

Scott Laskowski

Chris & Pat Riedel

PAUL Hess

Taeller

Wanda Berman 7:15 - 11 PM.

John A. ...

1990

389

Sep 22

Sanfr 0:45 - 6:15

6 EB MINIMA - 1 RRLYR MAXIMUM
32 LPV'S. JUPITER, LARGE DARK SPOT
AT ABOUT 50°S (NOT GR5). ALSO
MARS, MERCURY, + VENUS.

NOTE: ONE EYEPiece DUST COVER MISSING IN
B DOME.

Sanfr 11:00 - 15:30 WORK ON NEW DOME

F. ROLDAN 20:30 - 21:00 KEY HOLDER

M. Kelty

→ MAY RETURN IF IT CLEAR

Schmidt

23:00

02:30

Sep 23

Sanfr 20:15 - 23:30

2 EB MINIMA, PARTIAL ANV3421

X2 CYG MAX ABOUT 1 HR EARLY, AR HER
MAX AT LEAST 2 HRS EARLY, ONLY DECLINE OBSERVED
19 LPV'S

Sep 24

D. Keebler 12:20 a.m. - 1:30 a.m.

MARS - seeing poor, transparency excellent
windy. 3 photos @ 6:00, 6:01, 6:00 UT.

TRoss 3:00 - 3:30 am Seeing 0-1 Transp = 5

Sept 26

TRoss 4:30 - 5:45 am 6 cm TRANSITS (Jup) T4, S2-4

Paul Bachatt 4:00 PM TOOK SLIDE

PROTECTOR TO PREPARE FOR FRIDAY'S TALK.

Sanfr 19:15 - 24:15 5 EB MINIMA

30 LPV'S CLOUDS EARLY

SAW 14.7 LATTER.

27 D. Keebler - 5:30 - 6:00 a.m. MARS (5 photos)
Jupiter (3 photos) light wind Seeing good,
trans. v.G.

27 M-McNeely 4:00 - 6:00 PM laun^{work}

39
1990
Sep 28 ~~Good~~ 18:00 - 23:00
WORK ON GARAGE

Tom Renner - 7:30 - 10:15 General Meeting
M. McNeel 7:30 PM - 9:45 PM
Dan Benoit
Paul Herz 7:30
R. Wiese 7:30 pm
Paul Barakat
Karen Wiese + Lakel
Ken & Sally Waranowski 7:40 - 10:15
Tom Baranovsky 7:47 -
FRANK RUWAN 19:50 -
Martha M. Kelly 19:50 -
Vigil + Mary Ann Tanguay 19:50
Dorothy + Jim Kubel 19:45 - 10:15
Wanda Bern 7:50 10:15
Brian Lanius 8:00 - 10:25
Julie + Frey 8:00
D. Keenler - 7:45 - 10:00

returned @ 12:30 a.m. found lower chain
MARS - seeing poor - no photos down!

Sep 29 ~~Good~~ 7:00 - 15:30
Vigil Tanguay 7:00 A 12:30 P
Wanda Bern 8:00 AM, 9:30

OCT 2
WORK ON NEW GARAGE
~~Good~~ 15:00 - 18:30
WORK ON NEW GARAGE

OCT 3
~~Good~~ 18:00 - 21:00
WORK ON NEW GARAGE - 1ST WED
Wanda Bern 7:30 - 8:50
R. Wiese 19:25
Mrs. V. J. Tanguay 19:25
Jim 19:39
Paul Barakat
Scott

1990
Oct 4

Surf 18:30 - 22:30

LEAVE LOWER PARKING LOT OPEN.

POSSIBLE SIGHTING OF WHITE SPOT ON SATURN
ABOUT 2 1/2 HRS PAST CM AT 0:35 U.T. (OCT5,
VERY FORESHORTENED - SEEING 1-3, OBSERVATION
QUESTIONABLE. 21 LPV'S SAW 13.9
DISPITE FULL MOON

Wayne & Tom Berner - 7:52 PM. - 9:15 PM.
seeing' bad. No white spot visible, but no ring
division either.

Oct 5

4:15 AM - 5:30 L. Keith

Seeing O - can't even focus, then the clouds came in!

3:45 PM Paul Bachard - BUILDING INSPECTION

15:45 Surf

L. Keith & Wesener Open House 6:50 -

6:50 Mary Ann & Virgil Tangney

6:50 David Warner

6:50 Catherine Warner

19:20 Rickieann

Scott Jackson

7:40 - 10:40

Dorothy & Jim Kube 7:40 - 10:00

Jerry Glynn

7:40

Wayne Berner

7:40

- 10:40

Shaneer 7:00 9:30

Chad Anderson 7:15 PM. - 11:00 PM.

OCT. 6

Paul Bachard - 5:10 AM

FOUND POWER ON, LIGHTS ON, FAN
ON, AND BACK DOOR WIDE OPEN. THIS
IS THE SECOND TIME THIS YEAR I
HAVE COME OUT AND FOUND DOORS
NOT LOCKED!! BOTH TIMES HAVE
BEEN AFTER AN OPEN HOUSE. ONLY
THING LOCKED WAS THE LOWER CHAIN.

10-6 CONT.

~~AND~~ AND IT SHOULD HAVE BEEN
LEFT OPEN, SEE GERRY'S NOTE, ON
10-4-90

Surf 7:00-16:30

JUPITER-SEB FURTHER CONDENCED,
EZ CONTRAST HIGHER THAN IN
RECENT PAST. SEEING 1-3

King Tangrey 7:15A 12:30P

Scott Laskowski 7:30

J. Kube 9:52

Danielle 10:00 - 1:15 pm

Schmidt 12

CONCRETE FOR NEW GARAGE

19:05 R. Nielsen 20:50

Wanda Bern 19:05 - 20:50

Saw no white spot barely found
Saturn from burst of 5 sec
seeing between clouds.

OCT 7

Surf 930 PICKUP FLAT

OCT 8

Surf 19:30

Board Meeting

J. & D. Kube 19:28

R. Nielsen 19:15

B. Danielle 7:30 - 9:15

Paul Bachard 7:30

Tom Renner 7:15 - 9:30

Wanda Bern 7:30 - 9:30

Sally Wargczynski 7:30 - 9:30

A. Kern 7:30 - 9:15

10/10

UWW Class See Kern 6:00 - 9:15

There is a "key" in projector closet lock - #8
I put it in desk drawer below.

1990

OCT 11

Saf 18:30 - 23:45

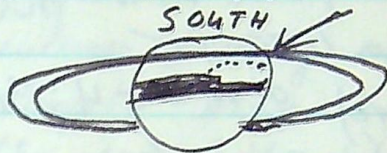
Schmitt 18:50 22:40

Ken & Sally Warszynski 21:10 22:45

6 EB MINIMA, 1 RR LVR MAXIMA

17 CPV'S. OBSERVED WHITE SPOT ON

SATURN FROM 3:15 TO 3:50 U.T.



BETWEEN BELT AND RING.
SATURN SET BEFORE C.M.
TIMMING COULD BE MADE

BUT OBSERVATIONS CONSISTANT WITH 5.04
PREDICTED C.M. CROSSING. Sun

OCT 12

Saf 18:00 - 20:45 TIMMED C.M.

CROSSING OF SATURN WHITE SPOT.

ALSO MADE MICROMETER OBSERVATIONS



SPOT IMBEDDED IN S. EDGE
OF NEB. SOUTH EDGE OF
SPOT NEAR RING. ENTIRE

EQUATORIAL ZONE BRIGHTER THAN REST OF
PLANET AND MIST OF RING. C.M.
CROSSING ABOUT 1/2 HR EARLY. Sun

OCT 13

Vigil & Tangney 7:45 A

~~Peter W.~~
Scott Larkowski 8:20

Saf 9:00 - 18:00

Sally W. 11:00 - 16:00

Ken Warszynski 10:00 - 5:30

CONCRETE AND CARPENTRY WORK ON
NEW GARAGE

10/14

Schmitt 10:30 → 3:15

10-15

Paul Baranetto - 5:45 AM - 6:45 AM

10-17

Schmitt 2PM work on Patrol camera. Blazer lens missing

1 Focus knob. Can't find it anywhere. I will be re-aligning
the patrol camera. Please don't adjust while I'm testing.
Will notify members in focal point when patrol camera is ready
to be used. out 4 PM

10/12/90 L. Keith 6:00pm-9:00 UW Waukegan Class

10-19-90 Paul Bachant 5:30 AM - 6:45 AM

Dan Koehler 5:00 p.m. projectors

OCT 20 Surf 7:00-22:00

WORK ON GARAGE Paul Bachant 9:30^{AM}-4:00^{PM}

Sally W. library, cleanup 11:15-2145

Kien W (Work on Garage) 9:15 - 4:30

D. Koehler - returned projectors 2:00 p.m.

Steve Pope (work on garage)

Virgil & MaryAnn Tangrey

Lee Keith 5:10-8:30 UW Class for Ticks

Karen Weener "Super Saturday"

Scott Haskowski 7:30 AM - 10:15 PM

Paul Bachant 7:30 PM -

Chad R. Anderson 7:00 PM - 10:30 P.M.

Dr. Wesen Key holder 7¹⁰ pm

OCT 21 Surf 11:00 - 17:00

Heath 12:15 - 12:30

Tom & Wendy Bism - we picked up another \$500 worth of free lumber & delivered it here & then helped on new garage.

10:30 AM to 4:45 PM

Schmitt 13-4

FINISH ROOF AND FRAME OF NEW GARAGE

Oct 22 5:30 a.m. D. Koehler - Mars out 6:25 a.m.

TRANS = ~~7-8~~ (quite good)

SEEING = 4-5 (very good +)

12 photos from 10:40-11:00 UT

Syrtis Major on meridian, polar hood evident on N pole, limb haze on morning limb, otherwise quite normal looking.

10-24 J. Keith UWN class 5.50-10:15

10-25 J. Koehler - MARS 5:15 a.m. - 6:20 a.m.

8 photos from 10:45 to 11:02 UT
Synth major now east of meridian
Seeing - 2-3, TRANS - 8-9 windy. No atmospheric
features plainly evident this morning.
Also Jupiter - there is a very dark elongated "notch"
in the area of the still defunct SEB. Is this
evidence of increased reformation of the SEB?

J. Koehler - 7:25 NCRAC meeting out 10:00
R. Keenan 7:30 pm

Sally & Ken Waraczynski 7:30 - 9:20

Wanda & Bern 7:30 - 10:00

10-26 - D. Koehler - 5:15 - 6:15 - MARS - 11 photos ^{seeing 4-5}
Wanda & Bern 5:00 - 6:50 AM ^{Photo. Mars Jupiter}
Paul & Bernatt 5:35 AM 6:50 AM
A. Seal & Werner Tour 7:00 9:30 pm.

OCT 27 Sun 6:30 - 18:00

A.M. PLANETS - WORK ON GARAGE
Hijl & Tangry 7:30 A 12:00 NOON
Scott Lockowick 8:00 AM - 6:00 PM
Ken Waraczynski 9:15 -

(Work on Garage)

Wanda & Tom Bern 9:20 - 10 AM.
Tom Schmidt 2:15 - 5:30

OCT 27 J. Tauber KEV HOLLER 10:54
P. HESS
DAN REINDL

1217

10-29 Tom & Wanda 3 P.M. took #5 port scope
for garage tomorrow nite.

Sally & W 3:15 - 3:30 library

Gen 20:45 - 22:00

Wanda 20:45 - 22:00

Paul & Bernatt 11:45 PM - 12:05 AM

PREP FOR GARAGE

1990 396

10-30-90

Ken & Sally Waraczynski 10:20 - 10:30

(Borrow Portascope #8 for graze) noted message → p. 39

D. Kuebler - changed fupe message 7:30

10-31 Ken & Sally returned portascope #8 - noted message → p. 397
9:45 - 9:55

~~10-31~~ Tom & Gandra returned portascope #5 2:45 - 2:55
A. Kuebler 5:52 - 10:10 UWW Class Nolan Zada - photograph

Power was left ON!!

Saturday with L. Kai

San Kuebler 9:30 marks seeing ridiculously
poor - no photos

11-01 Tross 4:20 - 5:10 am No work possible - Seeing Too F

San Kuebler - 7:45 p.m.

Opened gates for garage door delivery
on Friday - please leave open!

Nov 3

Sniff 8:00 - 17:00

Ken Waraczynski 8:50 - ~~14:30~~ 1630

Sally W. 9:45 - ~~14:30~~ 1430

Scott Laskowski 1:30 - 4:45

WORK ON NEW GARAGE

Nov 7

Messuthier 12:30 - 1:00 w/Recorder
tear down

11-6

J. Teller work on garage 3:34 5:20

11-7

Paul Badant

6:20 PM - 7:15 PM

Nolan Zada

photograph

Saturday - marginal

Sniff

19:20 - 22:20

(ST WED)

Wayne Berry 7:20 - 9:36

Scott Laskowski 7:20

Sally & Ken Waraczynski 7:30 - 22:10

J. Teller 19:15 - 23:02

J. Teller 7:30

A. Kuebler - 8:00 -

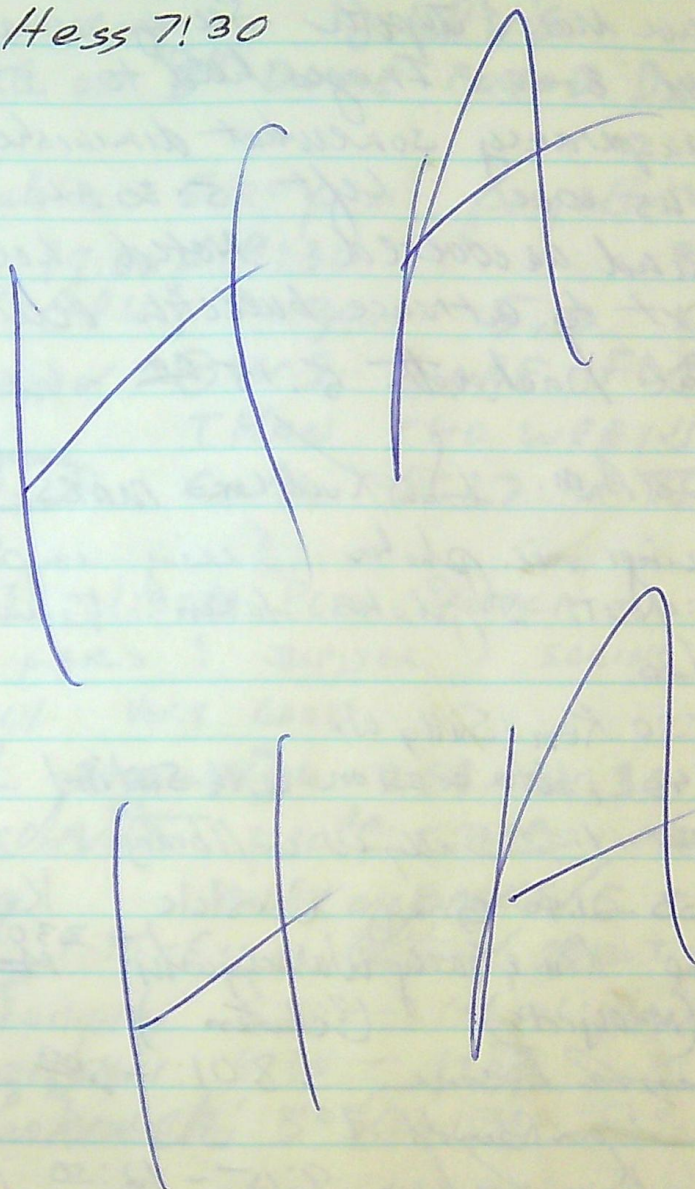
11-7

Hesselt

7:20 -

11-7

Paul Hess 7:30



300
1990

11-8 4:00 AM Pete Smith Used 'A' to observe Mars & Jupiter Seeing initially very good 8-10 Images held to 575x transparency somewhat diminished by ~5% cirrus cover Left 5:30 AM Scope found uncovered. Noted hole in wall next to entrance bulletin board
Paul Bachrach 5:15 AM - 6:45 AM

5:20 A.M. - Dan Koehler - MARS - poor seeing no photos Seeing improved about 11:45 AM 5 photos taken. Viewed Jupiter also

Nov. 8 15:30 Ken & Sally W.
-16:40 photo session with Sentinel

Nov 9 14:20-14:30 Sally W. - library

Nov 10 18:30-21:40 Greg Cieslak Keyholder
1940 Ken & Sally Waraczynski - 2300 ~~M-object~~
(M-objects) (clusters)
Walter Besner - 801 - 1:00 showing kids scope photo Mars
Dan Russell 701

Ben Koehler 9:15 - 12:50 MARS - 5 photos

Tom Schmutter 10:30 330 Seeing = 2

Paul Bachrach - 1:15 - 4:15 2 THICK METEOR

11/11 Schmutter 60x $\Rightarrow$ 845

Ben Koehler - 10:15 - 11:15 MARS

10 photos seeing = 3 TRAMS = 8 (some light clouds)
light wind

11/13 12:05-12:35 Ken, Sally W. library

D. Koehler 9:45 - 10:30 MARS S = 3-4
T = 6-7, 8

10 photos Meridiani Sinus was transitting the meridian
Paul Bachrach 10:30 PM - 12:15 AM

1990

399

NOV 14

Surf 17:45 - 23:00

9 EB MIN

16 LPV'S

THE PLUG ON "B" DOME FOUND DAMAGED

NOV 16

San Kuehler - 5:00 p.m. projector

Surf 18:00 - 19:30

13 LPV'S • 9 AM 15.0

SATURN GWS MORE FLATTENED

THAN TWO WEEKS AGO



C.M. 0:27 U.T.

NOV 17

12:30 - 1:30 AM PETE SMITKA

OBSERVED MARS & JUPITER SEEING 6.5 - 7.8

TRANSPARENCY VERY GOOD

Surf 2:00 - 13:30 2 EB MIN. 32 LPV'S

Paul Bachart 3:30 AM 5:30 AM MAR + JUP.

WORK ON GARAGE/S 3-6 T 9

L. Keith 4:45 - 6:40 AM Photos of Mars & Jupiter not bad!

Virgil Tanquary 8:00 - NOON Work on Garage

Ken Wamczynski 8:30 - 12:00 " " "

Scott Laskowski 8:30 - 1:30 " " "

Brian Ganiere - Keyholder 7:00 pm - 8:15 Cloudy

Ron Frick 8:00 pm

Nov 19 San Kuehler 8:45 p.m. - 11:00 p.m. MARS - 15 photos

Wanda Berner 9:04 11:00 p.m. Seeing - 3.5 - 5

Phillips 9:00 - 11:00 TRANS - 7

Paul Bachart 10:45 PM 12:25 AM

Nov. 20

13:00 - 15:00 Ken & Sally W. yard, library

NOV 23

Surf 17:30 - 2:15

Wanda Berner - 9:40 - 11:15 seeing O.K. Mars photos

25 LPV'S 16 EB MIN 1 RR MAX 258 OBS

MARS JUPITER S 4-7

U

1990

Nov. 25 13:00-13:40 Sally Skerw library, trash
 " " - 13:15 Dale Tatkowski
 Paul Bacha 10:35 PM - 11:25 PM

Nov. 27 7:00 PM - Boy Scout Talk & Tour
 out 9:55 PM M. M. Neely - L. Keith - K. Warner
 11/29 A. K. Tour 5:40 PM - 9:10 PM MARS -
 D. Kuehler 8:15 p.m. - 9:10 PM 50-50 seeing (2-3)
 6 Mars photos
 Paul Bacha 10:20 PM - 11:00
~~TOOK~~ TOOK PROSECTOR.

Dec 1 6:30 PM Peter Smika - KEYHOLDER
 CLEAR + FULL MOON, NATURALLY. Left 9:20 PM
 7:30 - 9:30 Ken & Sally Warachynski
 8:25 Dan Kuehler MARS 3 photos
 - 9:05 seeing 1-2 windy - seeing too poor
 9:05 Wayne Zorn 9:20 out.

Dec 2. Paul Bacha 12:40 AM - 3:20 AM
 Dec 6 ~~Sam~~ 18:00 - 22:50
 D. Kuehler 7:00 - 7:15 MARS poor seeing
 SHOVEL SNOW OUT OF DOMES no photos
 LIMIT SWITCHES ON B DOME SLIT
 FROZEN, WAS ABLE TO FREE UP.
 RIGHT-LOWER HOLD DOWN ON A DOME
 SHUTTER BROKEN, HANDLE WITH CARE
 7 EB MINIMA.
 Paul Bacha 10:45 PM - 11:15 PM

Dec 8 Sam 10:00 - 13:30 REPAIR 'A' AND 'B' DOMES.
 Scott Laskowski 11:00 - 2:30
 Dan Kuehler 12:00 - 2:30 snow
 Scott Laskowski 7:45 - 10:00

out 10:30

Dec 8 San Kuehler - KEY/HOUSE 7:00 P.M. Seeing poor (about 1)
 Jeffrey Amris 8:15 P.M. no MARS photos
 Wanda Berman 9:05 P.M. - 10:00 no Interamnia no mars photos
 Dan Reindel 7:45 P.M.

Dec 9 San Kuehler 7:40 p.m. - 8:00 p.m. MARS
 no photos "gale force" winds seeing poor.

Dec 10 Peter Snitten 8:33
 San Kuehler - 7:30 - 9:00 p.m. MARS 19 photos
 seeing 3-4 1/2. Solis Jaws on meridian.
 Paul Bachaert 10:25 PM - 11:30 PM

Dec. 11 12:00 - 12:10 Sally Waraczynski - A/V signact
 (noted only 3 carousels - should be 6 ??)

Surf 17:00 - 1:00 OVER RATED
 San Kuehler - 8:45 - 9:30 MARS 4 photos S=1-2
 Paul Bachaert 9:15 - 10:15
 → 10 EB MINIMA, 1 RR MAX, 33 LPU'S

DEC. 13 Paul Bachaert 11:00 PM - 12:00 AM

Dec 16 Kuehler 10:00 AM - 11:30

Surf 10:00 - 11:30
 10:45 - 17:00 Sally W. library

Dec 18 J. Kuehler - 7:40 - 8:20 Clouds -
 changed tape message

Dec 22 Neerath 11:00 AM - Start up
 chart recorder - Ink well filled
 Runs, soon more before changing paper
 "all pin work" 1:00 PM

Dec 25 Surf 18:00 - 3:00
 13 E.B. MINIMA, 237 OBS - 22 LPU'S
 -5°F

Dec 31 Surf SNOW REMOVAL
 San Kuehler - 8 - 8:30 p.m. HAPPY NEW YEAR!

Dec 31 D. Kaehler - MARS
wind: clouds MARS at 1/4 arc sec.
some surface features visible. No photos

JAN 1
1991

Surf 13:00 - 13:30

D. Kaehler 4:30 - 5:00 p.m.

dropped off some boxes (4) with
old hardware in them. This material
belongs to the MAS. Looked for articles
of incorp. in safe (not there unless
in locked compartments) ~~SLIDE~~ SLIDE
PROJECTOR missing.

returned 9:45 p.m. - MARS S = 2-3

no photos as clouds rolled in about 9:15

Jan. 2, Paul Bachadt 12:10 - 12:15 PM

~~TOOK LOCK FROM OPEN HOUSE CASHIER~~
~~AND PUT ON CASHIER~~

Paul Bachadt 7:30 AM RETURNED

JAN 5 *Surf* SLIDE PROJECTOR.
SNOW REMOVAL

JAN 06 Tross 12:15 - 2:25 am T2-3 S3-5 6cm TRANSITS

SEB WELL DEFINED LIGHT BROWN IN COLOR - STILL LIGHTER THAN NEB
MAJOR RIBS WITHIN BELT SEB NOT 1/2 W EQUATOR
EB - orange yellow NEB DARK PROJECTIONS VISIBLE

JAN 06/07 Tross 11:40 pm - 2:15 am T5 S3-5 7 cm TRANSITS
GRS ENVELOPED IN SEB HOOD MORE NEB DARK PROJECTIONS

D. Kaehler - 9:15 - MARS - JUPITER - 19 photos S-2-3

Wayda Berner 9:30 - 10:50 T-78

Ice caps casting shadows on Jupiter
across NEB - Great transits - next!

JAN 08 Tross 3:25 - 4:20 am T5-1 S3-6 5 cm TRANSITS
ST