

Signatures on Stanford Heliograph Piers

Ronald Bracewell Radio Sundial at the Jansky Very Large Array- 24 January 2019

- Miller Goss & Woody Sullivan

The **225 names** are listed alphabetically as follows:

- (1) surname, followed by given names or initials, if known
- (2) in brackets [] : Exact form of the signature,
- (3) location of signature (e.g., NOON-1 for the NOON pier / side 1)
- (4) very brief notes re institution(s), career

About 30 individuals are not known to us (marked by a ?). If for these or any other entry you have any corrections or additional information (e. g., full name, affiliation, connection to Ron Bracewell, etc), please contact Miller Goss (mgoss@nrao.edu).

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Order and Orientation of Piers

- 8am** N4 - (off the pad to the west) N4 refers to the pier's original location: 4th dish on the North arm of the Stanford Heliograph Cross. Side 1 (Frater) is oriented to the center of the sundial.
- 9am** N1 - side 4 (Minnaert) to the center
- 10am** E2 - side 4 (Schmidt) to the center
- 11am** E3 - side 4 (Drake) to the center
- NOON** E1 - side 1 (Bracewell, Bolton , Oort) to the center
- 1pm** W1 - side 4 (Gaposchkin) to the center (the dish on display came from this pier)
- 2pm** S1 - side 3 (Wild-Denisse) to the center
- 3pm** - W2 - side 4 (Salpeter) to the center
- 4pm** N2 - (off the pad to the east) - side 3 (Lynden-Bell) to the center
- Entry** N5 - Entry to the sundial area (near dish) - (Ekers to the left, Lovell and Rossi on the front)

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1.	Abhyankar, K. D.	[Abhyankar]	4pm-2	Osmania U., Hyderabad
2.	Akabane, K.	[K. Akabane]	3pm-3	Tokyo
3.	Allen, Clabon W.	[C. W. Allen]	11am-4	Mt. Stromlo, U. College London; solar
4.	Anastasiadis, Mihalios A.	[Anastasiadis (in Greek)]	11am-2	Physics National and Kapodistrian, Athens
5.	Bacon, D. C.	[Bacon]	9am-3	Stanford
6.	Baldwin, John E.	[J. E. Baldwin]	9am-4	Cavendish Lab, Cambridge U.
7.	Barber	[Barber]	10am-2	?
8.	Barcus	[Barcus]	11am-4	?
9.	Barker, J. K.	[JKB]	10am-3	?
10.	Barrett, Alan H.	[Barrett]	1pm-4	Michigan, Elec. Engr., MIT
11.	Beer, Arthur	[Arthur Beer]	1pm-1	Cambridge U.; optical astronomer
12.	Bennett, Al	[Al Bennett]	1pm-4	?
13.	Biermann, Ludwig	[Biermann]	9am-1	German theorist, 1907-1986, MPI
14.	Bigg, E. Keith	[Bigg]	NOON-3	CSIRO Radiophysics, Sydney; cloud physics
15.	BJE	[BJE]	10am-2	?
16.	Blum, Emile-Jacques	[E. J. Blum]	10am-4	Ecole Normale Supérieure, Paris
17.	Boischot, André	[Boischot (at 45° angle)]	10am-3	Ecole Normale Supérieure, Paris
18.	Bok, Bart J.	[Bok y Bok]	NOON-4	Harvard U., Mt. Stromlo/ANU, U. Arizona
19.	Bok, Priscilla	[Bok y Bok]	NOON-4	Harvard U., Mt. Stromlo/ANU, U. Arizona
20.	Bolton, John G.	[J. G. Bolton (script, at an angle)]	NOON-1	CSIRO, Sydney, Caltech
21.	Bowen, Edward G.	[Taffy Bowen]	NOON-3	radar pioneer; Chief of CSIRO Radiophysics,
22.	Bowhill, Sidney A.	[Sid Bowhill]	9am-1	U. Illinois
23.	Bracewell, Ronald N.	[Bracewell]	NOON-1	CSIRO Radiophysics, Sydney, Stanford
24.	Bretz, Marianne	[Bretz]	4pm-2	Göttingen, High Altitude Observatory, Marseille
25.	Brown, Harrison E.	[H. E. Brown]	10am-2	Caltech; planetary geochemist
26.	Buckingham, Michael J.	[M. J. Buckingham]	NOON-1	U. Sydney and U. Western Australia
27.	Buneman, Oscar	[Buneman]	1pm-2	Stanford, Manchester.
28.	Burke, Bernard F.	[B.F. Burke]	1pm-1	Carnegie Inst. Wash., MIT; co-discoverer of Jupiter bursts w/ Franklin
29.	Carter, Alan	[Carter]	9am-3	CSIRO Radiophysics, Sydney
30.	Chodorow, Marvin	[M. Chodorow]	NOON-1	Dept. Physics, Stanford; microwave electronics
31.	Christiansen, Wilbur N. "Chris"	[Christiansen 1957]	NOON-3	solar radio; "Chris Cross" interferometer; aperture synthesis; mentor of Bracewell
32.	CKR	[CKR]	3pm-3	?
33.	Clark, Barry G.	[B. Clark]	11am-2	Caltech, NRAO
34.	Coates, Robert J.	[Coates]	10am-3	Naval Research Lab
35.	Cohen, Marshall H.	[M.H. Cohen 4-65]	11am-4	Cornell, San Diego and Caltech
36.	Cone, Donald I.	[Cone]	NOON-1	EE student, Stanford
37.	Cooper, Brian F. C.	[Brian Cooper (vertically)]	2pm-2	CSIRO Radiophysics, Sydney
38.	Covington, Arthur E.	[Covington Sep 20, 1957]	NOON-1	Natl. Res. Council, Ottawa, Canada; solar
39.	Cutler, C. Chapin	[Cutler]	11am-2	Stanford, Bell Telephone Lab
40.	Davies, Louis W.	[L. W. Davies]	2pm-2	CSIRO Radiophysics, Sydney; AWA. "s" around corner
41.	Denisse, Jean-François	[Denisse (crossed with J. Paul Wild)]	2pm-3	École Norm. Supér., Paris; solar radio theorist
42.	D'Etigny	[Enrique d'Etigny]	3pm-3	Dean Physical Science and Math, Universidad de Chile 1963-1971
43.	Dewhirst, David W.	[Dewhirst]	9am-3	The Observatories, Cambridge
44.	Dowden, R. L.	[R. L. Dowden]	4pm-4	Ionospheric Prediction; U. Tasmania; U. Otago
45.	Drake, Frank D.	[F. D. Drake]	11am-4	NRAO; Cornell; UC Santa Cruz
46.	Drell, Sidney D.	[Drell]	11am-2	Stanford physicist; Dir of SLAC; arms control
47.	Dyce, Rolf B.	[Dyce]	3pm-1	Stanford, Arecibo; planetary radar

48. Eball, T.	[T. Eball]	8am-2.	?
49. Edmondson, Frank	[Edmondson]	9am-4	Indiana U. optical astronomer
50. Edwardes, Harold N.	[H. Edwardes]	NOON-1	CSIRO Radiophysics, Sydney
51. Ekers, Ronald D.	[R. Ekers]	near dish-3	WSRT; VLA director; CSIRO Radiophysics
52. Ellis, George R.	[G. Ellis]	9am-1	U. Tasmania
53. Erickson, William C.	[Erickson]	NOON-3	Convair, Leiden, U. Maryland & Clark Lake (Cal.) arrays
54. Evans, John W.	[J. W. Evans]	9am-1	Sacramento Peak, N.M.; solar optical
55. Evans, John V.	[J. Evans]	1pm-1	Jodrell Bank, MIT; lunar & planetary radar
56. Felli, Marcello	[M. Felli]	11am-2	Stanford (5-dish array); Arecetri Obs., Italy
57. Field, George B.	[G. Field]	3pm-4	Princeton, Berkeley, Harvard; theorist
58. Findlay, John W.	[Findlay]	1pm-4	Cambridge U., NRAO
59. Firor, John	[John Firor]	2pm-3	Carnegie Inst. Wash., NCAR, Boulder, Col.
60. Fleischer, Robert	[R. Fleischer]	2pm-2	Natl. Sci. Foundation
61. Fokker, Adriaan D.	[Fokker]	11am-2	U. Utrecht; solar radio astronomer
62. Fowler, William A. stellar	[Willy F]	11am-4	Caltech; Physics Nobel Prize (1983) for nucleosynthesis research
63. Frater, Robert H.	[Bob Frater]	8am-1	U. Sydney, CSIRO Radiophysics, Sydney
64. Franklin, Kenneth L.	[K. L. Franklin]	4pm-4	Hayden Planetarium, NYC; co-discoverer of Jupiter bursts w/ Burke
65. Freeman (Jelley), Joan	[Joan]	NOON-1.	CSIRO Radiophysics, Sydney; nuclear physicist
66. Friis, Harald T.	[HTF]	NOON-3	Bell Labs; Jansky's supervisor in 1930s
67. Fuerst, E.	[Furst]	11 am -2	MPI f RA, Bonn, solar magnetics
68. Gallet, Roger M.	[Gallet]	NOON-2	Boulder, Col.; French physicist
69. Gaposchkin, Cecilia	[Gaposchkin]	1pm-4	Harvard; stellar astrophysicist
70. Gardner, Francis F.	[F Gardner]	3pm-1	CSIRO Radiophysics, Sydney
71. Ginzton, Edward L.	[Ginzton (at an angle)]	NOON-2	Stanford, Dir. of Varian, Inc.
72. Gold, Thomas	[Tom Gold (on top of Messel)]	NOON-1	Cambridge U., Harvard, Cornell U.; theorist
73. Goldberg, Leo	Goldberg	1pm -4	Michigan, Harvard, CfA, NOAO Director
74. Green, Paul E., Jr.	[P. Green (at an angle)]	2pm-2	MIT Lincoln Lab; Venus radar
75. Haddock, Fred T.	[Haddock 58 (at an angle)]	NOON-3	Naval Res. Lab, U. Michigan
76. Hanbury Brown, Robert	[Hanbury]	NOON-3	early radar pioneer, Jodrell Bank, Sydney U.
77. HEGH	[HEGH]	10am-2	?
78. Herrero, Victor	[Vic Herrero]	near dish-4	former NRAO
79. Hirth	[Hirth (top of pier)]	11am-4	?
80. Ho, Irving T.	[I. Ho]	10am-3	Stanford PhD; electronics industry, Taiwan
81. Hoffman	[Hoffman]	9am-4	?
82. Houziaux, Leo	[Houziaux, Leo]	10am-3	Brussels, Belgium astronomer
83. Houghton, Sir John T.	[Houghton]	11am-2	Meteorologist, CEO UK Met office
84. Howard, William E., III	[Howard 72]	3pm-1	NRAO died 2016
85. Hvatum, Hein	[H.Hvatum]	1pm-1	Onsala, Sweden, NRAO
86. JB	[JB]	NOON-1	[Not Jack B. Zirker, not Jacques Becker]
87. Jelley, John V.	[Jelley]	NOON-1	Atomic Energy Res. Est., Harwell, UK
88. JKB	[JKB]	10am-3	?
89. Joseph, R. S.	[R. S. Joseph]	NOON-2	CSIRO Radiophysics, Sydney
90. Kauffman, Pierre	[Pierre Kauffman]	4pm-2	Sao Paulo, Brazil; solar radio astronomer
91. Kazes, E.	[E. Kazes]	10am-3	Paris, originally from Turkey
92. Kerr, Frank J.	[Kerr]	NOON-1	CSIRO Radiophysics, Sydney; U. Maryland
93. Kellermann, Kenneth I.	[KK]	NOON-1	Caltech, NRAO
94. Kimpara, A.	[Kimpara]	9am-4	Post WWII Japanese solar radio astronomer
95. Ko, H. C.	[Ko]	2pm-2	Ohio State U.
96. Kownacki, S.	[Kownacki]	4pm-1.	Lockheed Missiles and Space Co., Cal.
97. Kuz'min, Arkady D.	[A. Kuzmin (Cyrillic letters)]	1pm-1	Lebedev Inst., Moscow (visitor at Caltech)
98. Laffineur, Marius	[Laffineur]	11am-2	Obs. de Paris; pioneer of French radio astronomy

99. LaLonde, L. Merle	[LaLonde]	2pm-2	Arecibo engineer
100. Larenz, R. W.	[Larenz (at an angle)]	1pm-1.	Hanover, Germany?
101. Laroia, B. D.	[BD Laroia]	NOON-1	India. University Grants Comm. Development Office
102. Lebenbaum, Matt	[M. Lebenbaum]	NOON-1	Airborne Instruments Lab
103. Lequeux, James	[J. Lequeux]	10am-3	Observatoire de Paris
104. Lilley, A. Edward	[Lilley]	NOON-3	Harvard
105. Lincoln, J. Virginia	[Virginia Lincoln]	11am-2	Natl. Bureau Standards; space weather
106. Liston, C. S.	[C.S. Liston]	10am-2	CSIRO Radiophysics, Sydney; Stanford ?
107. Little, Alec G.	[A.G. Little]	NOON-1	CSIRO Radiophysics, Sydney; U. Sydney; worked on Stanford array paramp receivers
108. Livingston, William	[W. Livingston]	1pm-1	Kitt Peak Obs., Tucson
109. Locke, Jack L.	[Locke]	2pm-3	Natl. Res. Council, Ottawa, Canada
110. Lovell, Sir A. C. Bernard	[ACB Lovell 4-18-67 (script)]	near dish-2	Jodrell Bank founder & director; meteor radar
111. Luitsch	[Luitsch]	9am-3	UNKNOWN --Does « DOC » belong to this ?
112. Lynden-Bell, Donald	[D. Lynden-Bell (pecked-dots)]	4pm-3	InstAstron,35-6.2.18, Cambridge; theorist
113. Mathewson, Donald S.	[Mathewson]	NOON-3	Jodrell Bank, CSIRO Radiophysics, Sydney
114. Maxwell, Alan	[Maxwell]	NOON-3	Jodrell Bank, Harvard; solar radio
115. Mayer, Cornell H.	[Mayer]	1pm-4	Naval Res. Lab.
116. McClain, Edward F.	[McLain]	NOON-3	Naval Res. Lab.
117. McCready, Lindsay L.	[L. McCready]	NOON-1	CSIRO Radiophysics, Sydney
118. McCue, M. "Clarrie"	[McCue]	11am-4	Adelaide U. ?
119. McVittie, George C.	[McVittie]	10am-4	U. Illinois cosmologist
120. Mendoza	[Mendoza]	1pm -4	? Peck-dot
121. Messel, Harry	[Messel (with Tommy Gold)]	NOON-1	Sydney U.; location done as a joke.
122. Mestel, Leon	[L. Mestel 1961]	NOON-2	U. Sussex astrophysicist
123. Meyer, N.	[N. Meyer]	10am-3	Copenhagen
124. Mills, Bernard Y.	[B. Y. Mills]	NOON-2	CSIRO Radiophysics, Sydney; U. Sydney
125. Minkowski, Rudolph	[Minkowski (at an angle)]	NOON-4	Carnegie Inst., Pasadena
126. Minnaert, Marcel G. J.	[Minnaert]	9am-4	U. Utrecht optical astronomer
127. Minnett, Harry C.	[H. Minnett]	NOON-2	CSIRO Radiophysics, Sydney (Chief)
128. Mitra	[Mitra]	NOON-2	Likely A.P. Mitra – CSIR India, ionosphere. [RNB list says "M.T. Mitra"]
129. Moffet, Alan T.	[Al Moffet]	10am-3	Caltech; interferometry
130. Mot	[Mot]	2pm-1	?
131. MS	[MS]	10am-2	?
132. Munro, George H.	[Geo Munro]	1pm-4	Sydney U. ionosphere physicist
133. Murray, John D.	[J. D. Murray (at an angle)]	NOON-3	CSIRO Radiophysics, Sydney
134. Newkirk, Gordon A.	[G. Newkirk]	10am-2	solar astronomer, Boulder, Col.
135. Newman, P.	[Newman]	9am-1	Central Radio Propagation Lab (NBS)?, Stanford Research Institute
136. Oliver, Bernard M.	[BMO]	NOON-1	Hewlett Packard VP for Research; SETI
137. Oort, Jan H.	[J. H. Oort]	NOON-1	Leiden U. theorist; leader of Dutch radio astronomy for 25 years
138. Pake, George	[G. Pake]	2pm-1	Chemist; Xerox Research, St. Louis
139. Parrent, George B.	[G. Parrent]	4pm-4	Air Force Cambridge Research Center, Mass.
140. Parsons	[Parsons]	9am-2	S. J. Parsons of Stanley Hey's group?
141. Pawsey, Joseph L.	[Pawsey]	NOON-4	CSIRO Radiophysics, Sydney; group leader
142. Payne-Gaposchkin, Cecilia	[Gaposchkin]	1pm-4	Harvard; stellar astrophysicist
143. Pettengill, Gordon H.	[Pettengill]	3pm-3	MIT; planetary radar
144. Piddington, Jack H.	[Piddington]	NOON-2	CSIRO Radiophysics, Sydney
145. Pierce, John R.	[Pierce?]	9am-2	Bell Labs [or John A. Pierce of Harvard?]
146. Prentice, Sidney H.	[Prentice]	9am-4	Brisbane
147. Priester, Wolfgang	[Priester]	11am-2	Kiel & Bonn, Germany

148.Purton	[Purton]	11am-1	Chris; Cambridge then DRAO, Penticton, Canada
149.Radhakrishnan, V. "Rad"	[V. Radhakrishnan]	1pm-1	Caltech, CSIRO Radiophysics, Sydney; Raman Res. Inst. Bangalore, India
150.Ratcliffe, John A. "Jack"	[JAR]	2pm-2	Ionosphere radio physicist, Cambridge U.; PhD supervisor of Bracewell (1949)
151.Rechtin, S. E.	[S. E. Rechtin 62]	2pm-1	Advanced Research Projects Agency, DoD
152.Rickett, Barnaby J.	[B. Rickett]	11am-4	Jodrell Bank, U. California San Diego
153.Righini, Guglielmo	[Righini (top of pier)]	9am-3	Arecretri Obs., Florence, Italy; solar astronomer
154.Roberts, James A.	[J Roberts]	NOON-4	Caltech,CSIRO Radiophysics, Sydney; theorist
155.Robinson, Brian J.	[Robinson (vertical)]	1pm-4	CSIRO Radiophysics, Sydney
156.Roman, Nancy G.	[Roman]	NOON-3	Naval Res. Lab., NASA Goddard SFC
157.Rose, Steve	[Steve Rose]	10am-2	Stanford
158.Rossi, Bruno	[B.Rossi,12-29-70]	near dish-2	Las Alamos, MIT, space astronomy. [latest dated signature]
159.Rydbeck, Olaf E. D.	[Rydbeck (at an angle)]	1pm-4	Onsala Space Obs., U. Göteborg, Sweden
160.Sahade, Jorge	[J. Sahade]	3pm-1	La Plata Obs., Argentina
161.Salpeter, Edwin E.	[E. Salpeter]	3pm-4	Cornell U. theorist
162.Scheuer, Peter A. G.	[Peter Scheuer]	10am-1	Cavendish Lab, Cambridge U.; theorist
163.Schmidt, Maarten	[M Schmidt]	10am-4	Leiden & Caltech; discoverer of quasars
164.Seeger, Charles L.	[CLS]	NOON-3	Cornell U., Leiden U., Stanford
165.Shakeshaft, John R.	[John Shakeshaft]	NOON-3	Cavendish Lab, Cambridge U.
166.Shane, C. Donald	[C. D. Shane]	9am-1	Lick Obs. optical astronomer
167.Shane, Mary Lea	[M. Shane]	1pm-1	wife of C. D. Shane and mother of W. Shane
168.Shane, Whitney	[Whitney Shane]	9am-1	Leiden U., Nijmegen U.
169.Simmons, J.	[J. Simmons]	3pm-1	?
170.Simon, Paul	[P. Simon (vertical)]	10am-2	Ecole Normale Supérieure, Paris
171.Singer, S. Fred	[Singer]	NOON-4	U. Maryland physicist
172.Smerd, Peter	[Peter Smerd]	1pm-4	S. Smerd's son
173.Smerd, Stefan F.	[S F Smerd]	1pm-4	CSIRO Radiophysics, Sydney; solar theorist
174.Smith, Harlan J.	[H. J. Smith]	9am-1	U. Texas
175.Smith, Sir F. Graham	[Graham Smith]	NOON-3	Cavendish Lab, Cambridge U., RGO, Jodrell Bank; Astronomer Royal
176.Somerville, J. M.	[Somerville]	9am-4	U. New England, NSW, Australia
177.Spelman, Sandy	[Sandy Spelman]	10am-3	Stanford
178.Sphar, Clark	[Clark Sphar]	9am-3	Stanford
179.Stebbins, Joel S.	[Stebbins]	9am-1	U. Wisconsin, Lick Obs.; optical astronomer
180.Steinberg, Jean-Louis	[Steinberg]	10am-4	Ecole Normale Supérieure, Paris
181.Straiton, A. W. "Archy"	[Straiton]	3pm-3	Elec Eng., U Texas
182.Strehan	[Strehan]	9am-1	RP during WWII?
183.Sturrock, Peter A.	[PAsT]	1pm-3	Applied Physics Dept., Stanford
184.Swarup, Govind	[G. Swarup]	10am-1	Tata Inst. Fundamental Res., Bombay
185.Sweet, William H.	[Sweet]	1pm-3	Prof. of Surgery, Harvard; AUI trustee
186.Swenson, George W.	[Swenson]	1pm-1	U. Illinois
187.Tovmassian, G. M.	[Tovmassian]	1pm-1	Byurakan Obs., Armenia
188.Treharne, Ross F.	[Treharne]	NOON-2	CSIRO, Weapons Res. Est., S. Australia
189.Trexler, James H.	[JHT ₆₀₀]	3pm-1	Naval Res. Lab; lunar radar, Sugar Grove 600-ft dish
190.Uchida, Yutaka	[Uchida]	NOON-4	Tokyo Astron Obs., High Altitude Obs. (Col.)
191.Urey, Harold C.	[H. Urey]	NOON-1	Chemistry Nobel Prize (1934) for discovery of deuterium; Columbia, U. Chicago, UCSD
192.Vakaney	[Vakarney?]	NOON-3	?
193.Van de Hulst, Hendrik C.	[van de Hulst 1961]	11am-2	Leiden U.; predicted 21-cm H line
194.Vitkevitch, Viktor V.	[Vitkevich]	9am-3	Lebedev Physics Inst., Moscow

195. Walsh, Dennis	[Dennis Walsh]	NOON-2	Jodrell Bank
196. Warwick, James W.	[Jim Warwick]	2pm-3	U. Colorado
197. Waterman, Alan T., Jr.	[Alan Waterman]	11am-1	Stanford; ionospheric radio; son of first NSF Director
198. Watkinson, Arthur	[Arthur Watkinson]	8am-2.	CSIRO Radiophysics, Sydney; U. Sydney
199. Watson-Munro, Charles	[C. Watson-Munro]	2pm-2	U. Sydney
200. Waynick, Arthur H.	[A. H. Waynick]	1pm-1	Penn State U.; ionosphere
201. WCS	[WCS]	4pm-3	?
202. Welch, W.J	[JACK].	10am-2	U. Cal. Berkeley. confirmed October 2017 by J.
203. Weaver, Harold F.	[H. Weaver]	1pm-1	U. Cal., Berkeley, died 2017
204. Webster, Hugh C.	[Webster]	9am-4	Brisbane U. Earlier Cambridge
205. Webster, A.	[A. Webster?]	4pm-4	?
206. Wennersten	[Wennersten]	1pm-1	Air Force Office Sci. Research
207. Westerhout, Gart	[Westerhout]	NOON-1	U. Leiden, U. Maryland, US Naval Obs.
208. Whale, Harold	[Whale]	NOON-4	Auckland U., New Zealand; ionosphere
209. Whitford, Albert E.	[Whitford]	9am-2	Lick Obs. optical astronomer
210. Widing, Kenneth	[K. Widing]	4pm-4	NRL solar- x-ray
211. Wielebinski, Richard	[R. Wielebinski]	1pm-2	Sydney U., MPI, Bonn, Germany
212. Wilcox, John M.	[Wilcox]	3pm-3	Optical solar; Stanford - now Wilcox Solar Observatory
213. Wild, J. Paul	[Wild (crossed with Denisse)]	2pm-3	CSIRO Radiophysics, Sydney (Chief); head of all of CSIRO
214. Wilhelmsson, H.	[H. Wilhelmsson]	1pm-4	Onsala Space Obs., U. Göteborg, Sweden
215. Wirsu, O. Leslie	[Wirsu]	NOON-1	CSIRO Radiophysics, Sydney
216. Wood, Lloyd	[Lloyd Wood (top of pier)]	11am-2	Air Force Office of Sci. Research
217. Wright, K. O.	[Wright (at an angle)]	9am-3	Dominion Astron. Obs., Victoria, BC, Canada
218. Wu Lin-da	[Wu Linda Chinese char's]	9am-3	Shanghai; VLBI
219. Xiang De-lin	[Xiang Delin (Chinese char's)]	10am-3	Nanjing, China; solar radio astronomer
220. Yabsley, Donald E.	[D. Yabsley]	NOON-2	CSIRO
221. Yang, K.	[K. Yang 1957]	10am-3	Stanford, U. Illinois
222. Yaplee, Benjamin S.	[Yaplee]	NOON-2	Naval Research Lab; lunar radar
223. Yen, J. L. (Allen)	[J. L. Yen]	10am-1	U. Toronto; developed VLBI technique
224. Zirin, Harold	[Hal Zirin]	11am-4	Caltech solar astronomer
225. Zisk, Stanley H.	[S. H. Zisk (underlined)]	10am-3	Stanford planetary radar scientist- now Hawaii

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Notes by Goss

21 July 2017- incorporate Ken Kellermann's comments. JACK in in fact W.J. Welch of Berkeley. 10 am pier. Donald Lynden-Bell. Deceased 6 Feb 2018. Corrections by MG on 30 March 2018 after the complete photo archive of mid March 2018. Corrections now after visit with Alison Ryle and Harry Wendt on 5 April 2018. Two weddings. Rick Williams of NRAO Socorro and his new wife married on 25 October 2015 near the center of the Y (north arm- NOT SUNDIAL location). 17 people were there. On 7 March 2018, Adrion and Jonothon Poe of Austin TX were married at the sundial. (no details). 20 May 2018. Amber Moore of U Ky found that LUTS on 9 am side 3 is really LUITSCH and DOC is below. Cannot find "Luitsch" or "Luitschdoc". A mystery. Fix the text re D'Etigny