

INTRODUCTION

Larry Bolton found a UNIVAC engineering organization list dated 1 February 1977. The list has 525 positions reporting to then Vice President, R. A. 'Bob' Erickson.

Larry diligently entered the data into an Excel spreadsheet, noting that the people's initials were listed with the last names, job titles, and departments or groups. The list also had the reporting level of individuals with Mr. Erickson as **0**. Pages 2 through 13 is the sequenced organization 'chart'.

The list has two Directors reporting to Bob as level **1**, Hy Osofsky on page 2 and Ralph Kerler, page 10. Numerous group managers and managers at level **2** report to Hy and Ralph. Larry also created a second list with a first name column to supplement the indented pages with an alphabetical list, pages 14 through 25. He then filled in ~370 first names as he recalled them.

In 1977; Bolton, L. D. was sequence number 368, a level **5** Sr. Eng. Elec. At that time Larry was reporting to Bob Iverson (**4**) who reported to Ken Asplund (**3**) who reported to Bill Tisdale (**2**) who reported to Ralph Kerler. In his on-line career summary (<http://vipclubmn.org/people1.html#Bolton>), Larry wrote:

I was one of the last graduating class of 1965 from the U of Minnesota to require a full 5 years of study for a BEE degree. After 41+ years at Univac/Sperry/Unisys/Lockheed Martin, I retired in August 2006. The entire time was spent in the engineering support organization called Components and Material Engineering. Our primary job was the specification, qualification, and application support of components used in all programs at Univac/Unisys/Lockheed Martin. In normal industry jargon, I was a career component engineer.

Larry sent the spreadsheet to webmaster Lowell Benson who filled in a few more first names then, in 2014 sent the entire chart to a couple dozen others for whom we have email addresses. The result is that we are now only missing 30 first names of the organization's 512 people.

The transcribed list doesn't include Contract Personnel not counted in the employee head count; i.e. a draftsman reporting to Strelnieks in Electrical Design Support, four reporting to Langer in Printed Circuit Design Support, and 15 reporting to Skradde in Drafting and Checking.

Ernest 'Ernie' Hams was Vice President and General Manager of the Twin Cities operations in February, 1977. This organization chart does not cover the other organizations nor organization heads reporting to Mr. Hams. It does show some product support engineering staff at Salt Lake City UT and at Clearwater FL reporting to St Paul managers.

Thanks to all who have contributed first names to this effort; i.e. Bob Langer was the first to respond with 21 names. Keith Behnke had the most with 22, most of them duplicates of Bob's. Another dozen people chimed in with 1 to 10 names, some duplicates of Bob and Keith's recollections.

If you are checking for yourself and/or friends and recall the first name of an individual who is only listed with initials (**highlight in YELLOW**), please send a note to webmaster@vipclubmn.org.

Editor Lowell received a 4.5-yr BEE degree in 1966 as the U of MN transitioned engineering degree requirements from 5 to 4 years. <http://vipclubmn.org/PeopleDocImg/LABvolumel.pdf> is his career summary. In 1977; Benson, L. A. was sequence #177, a level 4 Supr. Eng. Elec.

<u>Seq #</u>	<u>Level</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>Name</u>	<u>Title</u>	<u>Department</u>
1	0							Erickson, R. A.	Vice President	
2		1						Osofsky, H.	Director	Hardware Design Engineering
3		1a						Lantto, E. S.	Prof. Const. Scien. Eng.	
4		1a						Peterson, L. D.	Secy. I	
5			2					Swanson, R. B.	Administrator	Administration
6			2a					Swezey, B. F.	Prop. Adm.	
7			2a					Johnson, C. P.	Adm. Asst.	
8			2					Tierney, P. R.	Group Manager	Equipment Engineering
9			2a					Kulczyki, E.	Staff Eng.	
10			2a					Brashun, J. A.	Secy. Typ.	
11				3				Alexander, M. L.	Pr. Eng. Elec.	Microcontrolled Hardware
12					4			Hair, D. E.	Pr. Eng. Elec.	TCCF Project
13						5		Barnick, J. H.	Pr. Eng. Elec.	
14						5		Bruner, A. W.	Eng. Spec. Elec.	
15						5		Green, J. R.	Eng. Spec. Elec.	
16					4			(acting)D.E.Hair		FAA Project
17						5		Mott, D. J.	Sr. Eng. Elec.	
18						5		Beck, R. R.	Sr. Eng. Elec.	
19						5		Ubelhoer, R. F.	Sr. Eng. Mech.	
20						5		Wolf, R. C.	Eng. Elec.	
21						5		Loges, B. L.	Assoc. Eng. Elec.	
22						5		Tam, H. O.	Eng. Spec. Elec.	
23						5		Thibideau, J. A.	Eng. Spec. Elec.	
24						5		Norling, G. G.	Eng. Asst.	
25						5		Holck, L. R.	Eng. Tech. A	
26					4			Skubitz, F.	Pr. Eng. Mech.	Mechanical Design
27					4			(acting)M.L.Alexander		IBAG Project
28						5		Hasseman, L. W.	Pr. Eng. Elec.	
29						5		Macrorie, N. W.	Sr. Eng. Elec.	
30						5		Lindstedt, B. S.	Assoc. Eng. Elec.	
31						5		Senechal, D.	Eng. Tech. A	
32						5		Nilsson, B. E.	Sr. Eng. Elec.	
33				3				Bonnes, J. A.	Eng. Mgr. II	Display Development
34					4			Huth, G. O.	Pr. Eng. Elec.	CADS Electrical Design
35						5		Shih, R. H.	Eng. Elec.	
36						5		Shorrel, C. G.	Eng. Asst.	
37						5		Zekoff, W. R.	Eng. Asst.	
38					4			Wagner, R. J.	Pr. Eng. Sys. Des.	MM Design Engineering
39						5		Oswald, R. C.	Pr. Eng. Elec.	
40						5		Stolte, J. F.	Eng. Elec.	
41						5		Francis, R. E.	Assoc. Eng. Elec.	
42						5		Domka, J. R.	Eng. Spec. Elec.	
43						5		Nelson, R. L.	Eng. Spec. Elec.	
44					4			Bosworth, G. L.	Pr. Eng. Elec.	Display Planning
45						5		Hartwig, W. F.	Sr. Eng. Elec.	
46					4			(acting)J.A.Bonnes		ADD Project
47						5		McBurney, S. C.	Eng. Elec.	
48						5		Owen, M. A.	Assoc. Eng. Elec.	

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49					4			Rodriguez, P.	Sr. Eng. Elec.	Electrical Design
50						5		Hayden, D. W.	Sr. Eng. Elec.	
51						5		Williams, J. A.	Eng. Asst. Elec.	
52					4			Evert, J. P.	Pr. Eng. Mech.	Mechanical Design
53						5		Warwick, J. S.	Pr. Eng. Mech.	
54				3				Peterson, G. L.	Eng. Mgr. II	Signal Processors/Peripherals
55				3a				Fisher, P. M.	Sr. Proj. Typ.	
56					4			White, R. A.	Supv. Eng. Elec.	Signal Processor Design
57						5		Hervig, E. E.	Pr. Eng. Elec.	
58						5		Swenson, M. R.	Pr. Eng. Elec.	
59						5		Zwolle, D. R.	Sr. Eng. Elec.	
60						5		Savick, G. E.	Eng. Elec.	
61						5		Collins, A. K.	Assoc. Eng. Elec.	
62						5		Martin, R. J.	Assoc. Eng. Elec.	
63						5		Johnson, D. E.	Eng. Spec. Elec.	
64						5		Kruger, J. R.	Eng. Spec. Elec.	
65						5		Smith, D. J.	Eng. Spec. Elec.	
66						5		Sperbeck, C. W.	Eng. Spec. Elec.	
67						5		Flugum, L. A.	Eng. Tech. A	
68					4			Lesko, L. W.	Pr. Eng. Elec.	Electrical Design
69						5		Andreason, J. H.	Sr. Eng. Elec.	
70					4			Matson, C. W.	Staff Eng.	Mechanical Design
71						5		Arndt, A. L.	Sr. Eng. Mech.	
72										Communications
73					4			Schaubert, J. A.	Pr. Eng. Sys. Des.	Hardware
74						5		Brumback, L. C.	Pr. Eng. Elec.	
75				3				Farquer, A. W.	Eng. Mgr. II	Digital Development, SLC
76				3a				McNeill, S. L.	Secy. II	SLC
77					4			Westergard, W. O.	Supv. Eng. Syst. Des.	Development Programs, SLC
78						5		Peilsumail, S.	Pr. Eng. Elec.	SLC
79						5		Ges, R. W.	Sr. Eng. Mech.	SLC
80						5		Brown, J. D.	Eng. Elec.	SLC
81					5			Bogily, G. R.	Asst. Eng. B	SLC
82					4			Schofield, R. R.	Supv. Eng. Sys. Des.	Peripheral Devices, SLC
83						5		Hammond, W. B.	Pr. Eng. Mech.	SLC
84						5		Ross, H. V.	Pr. Eng. Mech.	SLC
85						5		Brower, G. R.	Sr. Eng. Elec.	SLC
86						5		Irwin, P. J.	Sr. Math. Eng.	SLC
87						5		Newman, C. K.	Assoc. Eng. Elec.	SLC
88					4			Jenkins, V. J.	Staff Eng.	Engineering Development, SLC
89						5		Anderson, D. R.	Soec. Eng. Elec.	SLC
90					4			Bartsch, R. T.	Supv. Eng. Elec.	Continuation Engineering, SLC
91						5		Snow, W. W.	Pr. Eng. Mech.	SLC
92						5		Clayton, S. K.	Sr. Eng. Elec.	SLC
						5		Tittensor, D. R.	Assoc. Eng. Elec.	SLC

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93			2					Mager, D. V.	Group Manager	Product Development
94			2a					Thurber, K. J.	Prof. Const. Scien. Eng.	
95			2a					Brings, P. M.	Secy. II	
96				3				Geisz, E. W.	Eng. Manager II	Circuit Design
97					4			Riebe, A. E.	Pr. Eng. Elec.	Power Circuit Design
98						5		Leuma, M. C.	Eng. Elec.	
99						5		Livingston, D. S.	Eng. Elec.	
100						5		Oredson, R. D.	Eng. Spec. Elec.	
101					4			Grimm, D. F.	Pr. Eng. Elec.	Computer Circuit Design
102						5		Carr, D. L.	Eng. Elec.	
103						5		Graber, K. L.	Eng. Elec.	
104						5		Salter, R. M.	Eng. Elec.	
105						5		Halseth, J. R.	Eng. Spec. Elec.	
106						5		Leslie, F. P.	Eng. Asst. Elec.	
107					4			Fodness, D. A.	Pr. Eng. Elec.	Electrical Circuit Design
108						5		Hanson, A. M.	Sr. Eng. Elec.	
109						5		Price, D. K.	Eng. Elec.	
110						5		Burns, M. D.	Eng. Asst.	
111					4			Jenson, R. W.	Pr. Eng. Mech.	Mechanical Design Support
112						5		Egan, E. H.	Asso. Eng. Mech.	
113					4			Vick, L. A.	Pr. Eng. Elec.	Special Project Design
114						5		Claude, G. L.	Sr. Eng. Elec.	
115				3				Oulicky, R. J.	Eng. Manager II	RMF
116					4			Krulle, P. L.	Supv. Eng. Elec.	Functional Design
117						5		Albee, D. H.	Pr. Eng. Sys. Des.	
118						5		Overdier, D. F.	Pr. Eng. Elec.	
119						5		Wagner, M. A.	Pr. Eng. Elec.	
120						5		Poblete, W. R.	Sr. Eng. Sys. Des.	
121						5		Pliml, R. F.	Sr. Eng. Elec.	
122						5		Wolszon, R. J.	Sr. Eng. Elec.	
123						5		Bondurant, D. W.	Eng. Elec.	
124						5		Eiden, W. E.	Assoc. Eng.	
125						5		Reinke, H. L.	Eng. Spec. Elec.	
126						5		Janisch, M. J.	Eng. Spec. Elec.	
127					4			Richardson, P. H.	Pr. Eng. Mech.	Mechanical Design
128						5		Edstrom, W. O.	Pr. Eng. Mech.	
129						5		Pawlicki, D. J.	Pr. Eng. Mech.	
130						5		Gallagher, H. J.	Sr. Eng. Mech.	
131					4			Jablonski, R. C.	Supv. Eng. Elec.	Low Cost Processor
132						5		Howe, J. A.	Pr. Eng. Elec.	
133						5		Anderson, J. M.	Sr. Eng. Elec.	
134						5		Holste, D. D.	Eng. Elec.	
135						5		Belljeski, R. J.	Eng. Spec. Elec.	
136						5		Medcalf, D. F.	Eng. Spec.	

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137					4			McInnis, J. D.	Supv.	Fab Shop
138						5		Andreen, J. A.	Eng. Spec. Mech.	
139						5		Buck, D. J.	Eng. Spec. Mech.	
140						5		Cich, E. J.	Eng. Spec. Mech.	
141						5		Timm, A. M.	Eng. Spec. Mech.	
142						5		Hawley, R. C.	Eng. Spec.	
143						5		Duarte, M.	Eng. Asst. Mech.	
144						5		Dudek, P. L.	Eng. Asst. Mech.	
145						5		Waldemar, D. A.	Eng. Asst. Mech.	
146						5		Baumann, R. A.	Eng. Asst.	
147					4			Dombeck, R. J.	Supv. Eng. Elec.	C/3 Project Engineering
148						5		Orosz, A. J.	Pr. Eng. Mech.	
149						5		Shore, D. L.	Pr. Eng. Mech.	
150						5		Bergman, J. A.	Sr. Eng. Elec.	
151						5		Erdrich, R. A.	Sr. Eng. Elec.	
152						5		Keding, A. L.	Sr. Eng. Elec.	
153						5		Bennig, O. R.	Eng. Syst. Des.	
154						5		Kozberg, B. H.	Eng. Elec.	
155						5		Wong, A. M.	Assoc. Eng.	
156						5		Beckstrom, J. C.	Eng. Spec. Elec.	
157						5		Dietzler, P. J.	Eng. Spec. Elec.	
158						5		Janisch, M. E.	Eng. Spec.	
159						5		Stadler, R.	Eng. Asst. Elec.	
160					4			Bukovich, M. A.	Pr. Eng. Syst. Des.	UYK-20
161						5		Wenz, C. F.	Pr. Eng. Mech.	
162						5		Free, D. W.	Sr. Eng. Elec.	
163						5		Werner, R. A.	Eng. Elec.	
164						5		Roodell, D. R.	Assoc. Eng. Sys. Des.	
165				3				Petschauer, T. W.	Eng. Manager II	Advanced Computer Technology
166				3a				LaBelle, H. T.	Sr. Proj. Typ.	
167					4			Deward, R. C.	Pr. Eng. Sys. Des.	STV Development
168						5		Fedde, M. P.	Eng. Elec.	
169						5		Rew, R. L.	Eng. Spec. Elec.	
170					4			Wiedenman, D. M.	Pr. Eng. Elec.	AN/UYK-7
171						5		Enkhaus, R. R.	Sr. Eng. Mech.	
172						5		Ruter, J. L.	Eng. Elec.	
173						5		Boisclair, L. F.	Eng. Spec. Elec.	
174					4			Penkauskas, T. P.	Sr. Eng. Elec.	IIOC
175						5		Shaw, G. R.	Pr. Eng. Elec.	
176						5		Reiman, D. S.	Eng. Tech. A	
177					4			Benson, L. A.	Supr. Eng. Elec.	ICP/IMP
178						5		Kaminski, D. G.	Sr. Eng. Elec.	
179						5		Frazier, J. H.	Eng. Spec. Elec.	

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180			2					Meyer, D. M.	Group Manager	
181			2a					Cegla, C. A.	Secy. II	
182				3				Pethick, R. W.	Supv. Eng. Mech.	Clearwater Product Support
183					4			Ringdahl, J.	Pr. Eng. Elec.	CLW
184					4			Goldsmith, P.	Sr. Eng. Mech.	CLW
185					4			Greer, J.	Sr. Eng. Elec.	CLW
186					4			Bissonette, C.	Sr. Des.	CLW
187					4			Crook, T.	Engrg. Asst.	CLW
188					4			Spearman, J.	Designer	CLW
189					4			McGrath, J.	Engrg. Tech. A	CLW
190					4			Gordon, S.	Tech. Info. Clk. A	CLW
191				3				(acting)D.M.Meyer		Engineering Integrity
192					4			Taipale, H. J.	Sr. Eng. Elec.	Design Integrity
193						5		Ekey, L. A.	Sr. Eng. Elec.	
194					4			Brown, A. R.	Pr. Eng. Elec.	Subcontracts/OEM
195						5		Erickson, L. E.	Eng. Spec. Elec.	
196					4			Nieters, A. B.	Manager	Test & Evaluation
197						5		Ness, A. M.	Pr. Eng. Mech.	Environ & Mech Test
198						6		Tomala, F. J.	Eng. Spec. Mech.	
199						6		Ziemski, G. S.	Eng. Spec. Mech.	
200						6		Brown, R. A.	Eng. Asst. Mech.	
201						5		Melzer, R. K.	Supv. Eng. Mech.	Dynamics and Stress Analysis
202						6		Regan, M. A.	Eng. Mech.	
203						6		O'Brien, D. J.	Eng. Tech. A	
204						5		Keenan, R. J.	Supv. Eng. Elec.	System Test Perf.
205						6		Castrodale, P. A.	Eng. Elec.	
206						6		Enkhart, T. L.	Eng. Spec. Elec.	
207						6		Karney, D. A.	Eng. Assist.	
208						6		LaCroix, D. A.	Eng. Tech. A	
209				3				Behnke, K. A.	Manager	Design and Documentation Support
210				3a				Haag, B. A.	Proj. Typ. A	
211					4			Strelnieks, R. E.	Sr. Des.	Electrical Design Support
212						5		Beck, V. A.	Sr. Des.	
213						5		Sindelar, J. J.	Tech. Coord. A	
214						5		Newman, R. C.	Des.	
215						5		Shulstad, M. L.	Des.	
216						5		Toske, J. C.	Des.	
217						5		Whebbe, G. S.	Des.	
218						5		Holt, J. W.	Sr. Drft.	
219						5		Olmsted, L. G.	Sr. Drft.	
220						5		Ruprecht, A. P.	Sr. Drft.	
221						5		Smith, R. A.	Sr. Drft.	
222						5		Needham, V. M.	Doc. Cont. Clk. B	
223						5		Grundtner, C. M.	Detailer	

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224					4			Langer, R. E.	Sr. Des.	Printed Circuit Design Support
225						5		Moseng, R. D.	Sr. Des.	
226						5		Sawatzke, H. A.	Sr. Des.	
227						5		Herrem, S. J.	Des.	
228						5		Hurlburt, J. F.	Des.	
229						5		Manchi, M. D.	Des.	
230						5		Scott, M. K.	Des.	
231						5		Stage, R. K.	Des.	
232						5		Beckman, P.	Sr. Drft.	
233						5		LaCroix, S. A.	Drft.	
234					4			Skradde, W. C.	Sr. Des.	
235						5		Braski, R. L.	Des.	
236						5		Zandaroski, B.	Des.	
237						5		Nack, N. A.	Sr. Drft.	Drafting & Checking
238						5		Sabelko, D. E.	Sr. Drft.	
239						5		Thomsen, R. G.	Sr. Drft.	
240					4			Kashuba, E. R.	Auto. Des. Eng. Sr.	
241						5		Rowe, J. T.	Supv.	
242						5		Behm, W. A.	Sr. Des.	
243						5		Brandsness, G. T.	Sr. Des.	
244						5		Clausen, R. C.	Sr. Des.	
245						5		Diegnau, R. A.	Sr. Des.	
246						5		Dischinger, J. P.	Sr. Des.	
247						5		Donahue, C. J.	Sr. Des.	
248						5		Durand, D. F.	Sr. Des.	
249						5		Fragiacomo, L. P.	Sr. Des.	
250						5		Ganzer, F. J.	Sr. Des.	
251						5		Gieske, J. R.	Sr. Des.	
252						5		Hanley, I. J.	Sr. Des.	
253						5		Hardie, W. H.	Sr. Des.	
254						5		Johnson, S. G.	Sr. Des.	
255						5		Juneau, J. G.	Sr. Des.	
256						5		Lemke, A. O.	Sr. Des.	
257						5		Mahoney, J. H.	Sr. Des.	
258						5		Norling, C. H.	Sr. Des.	
259						5		Schauer, C. E.	Sr. Des.	
260						5		Skeie, M. M.	Sr. Des.	
261						5		Theros, W. S.	Sr. Des.	
262						5		Thomsen, W. M.	Sr. Des.	
263						5		Walsh, R. H.	Sr. Des.	
264						5		Ahl, F. H.	Des.	
265						5		Daub, A. J.	Des.	
266						5		Harms, D. A.	Des.	
267						5		Hoffman, R. J.	Des.	
268						5		Lauer, D. F.	Des.	
269						5		Nolen, E. O.	Des.	
270						5		Olssen, R. A.	Des.	
271						5		Unke, W. F.	Des.	

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272					4			DeBerry, R. D.	Supv.	Data Development & Control
273						5		Harris, V. W.	Eng. Mech.	
274						5		Peterson, N. E.	Supv.	
275						5		Carlson, V. A.	Tech. Coord. A	
276						5		Plait, M. W.	Tech. Aide A	
277						5		Bergman, E. M.	Tech. Aide B	
278						5		Resendez, W. M.	Uni. Data Clk. B	
279				3				Lange, S. D.	Supv. Eng. Elec.	St. Paul Product Support Engineering Product Support Engineering
280					4			Weiss, D. D.	Eng. Elec.	
281						5		Fasching, H. J.	Pr. Eng. Mech.	
282						5		Stellmach, E. L.	Pr. Eng. Mech.	
283						5		Antoniou, J. G.	Sr. Eng. Elec.	
284						5		Hogenson, C. O.	Sr. Eng. Elec.	
285						5		Johnson, E. F.	Sr. Eng. Elec.	
286						5		Hoffman, L. J.	Eng. Spec. Mech.	
287						5		Schonebaum, T. H.	Eng. Spec. Elec.	Product Support Engineering
288					4			Grape, J. W.	Pr. Eng. Elec.	
289						5		Mattie, R. R.	Pr. Eng. Elec.	
290						5		Dzieweczynski, D. A.	Eng. Elec.	
291						5		Naseth, W. P.	Eng. Spec. Elec.	
292						5		Walker, J. W.	Eng. Spec.	
293				3				Metzger, J. W.	Manager	
294				3a				Rausch, M. R.	Stenographer	Software
295					4			Kelleher, M. F.	Pr. Prog. Sci.	
296						5		Luck, R. G.	Sr. Prog. Sci.	
297						5		not defined (10 more)		
298					4			Stramowski, R. E.	Supv. Eng. Elec.	Test Equipment Plan & Support
299						5		Fletcher, L. L.	Pr. Eng. Elec.	
300						5		Edquist, H. E.	Sr. Eng. Elec.	
301					4			Stallings, G. P.	Manager	
302						5		(acting)G.P.Stallings		Administration & Services
303						6		Helwig, R. E.	Eng. Asst.	
304						5		Haupt, H. J.	Eng. Spec.	
305						6		Nobis, H. S.	Eng. Spec. Elec.	
306						6		Anderson, E. B.	Eng. Asst.	Equipment Build
307						6		Brodin, B. T.	Eng. Asst.	
308						6		Fronning, A. M.	Eng. Asst.	
309						6		Maas, E. J.	Eng. Asst.	
310						6		Mueller, M. L.	Eng. Asst.	
311						6		Gemza, J. M.	Eng. Tech. A	
312						6		Lamb, A. H.	Eng. Tech. A	
313						6		Wade, R. C.	Eng. Tech. B	

<u>Seq #</u>	<u>Level</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>Name</u>	<u>Title</u>	<u>Department</u>
314					4			Grundy, G. L.	Supv. Eng. Elec.	Test Equipment Design
315						5		Ellings, D. O.	Supv. Eng. Elec.	Advanced Design
316						6		Benrud, V. M.	Pr. Eng. Elec.	
317						6		Hitchcock, K. E.	Eng. Elec.	
318						6		Sorvick, K. D.	Eng. Elec.	
319						6		Sechrist, W. K.	Eng. Spec.	
320						6		Urbick, M. A.	Eng. Spec. Elec.	
321						5		Gutzmann, G. C.	Sr. Eng. Elec.	Equipment Design
322						6		Thorsrud, L. T.	Pr. Eng. Elec.	
323						6		Dunlap, D. F.	Sr. Eng. Elec.	
324						6		Johnson, O. G.	Sr. Eng. Elec.	
325						6		Weller, H. B.	Eng. Spec.	
326						5		(acting)G.L.Grundy		Mechanical Design
327						6		Page, D. P.	Assoc. Eng. Mech.	
328						6		Erickson, S. G.	Eng. Spec.	
329						6		Martanson, R. C.	Sr. Des.	
330		2						Prohofsky, L. A.	Group Manager	Systems Hardware
331		2a						Kiser, N. C.	Proj. Typ. A	
332			3					Christenson, V. E.	Engrg. Mgr. II	Magnetic Storage Development
333				4				Krueger, G. M.	Pr. Eng. Elec.	
334				4				Staubus, J. W.	Pr. Eng. Elec.	
335				4				Turnquist, R. D.	Pr. Eng. Elec.	
336				4				Cunningham, J. M.	Pr. Eng. Elec.	
337				4				Mortenson, C. L.	Sr. Eng. Elec.	
338				4				Hanson, B. H.	Assoc. Eng. Elec.	
339				4				Brekke, R. L.	Eng. Assoc.	
340				4				Bergman, G. E.	Eng. Spec. Elec.	
341				4				Dorn, K. A.	Eng. Spec. Elec.	
342				4				Krueger, R. G.	Eng. Spec.	
343				4				Evans, R. L.	Eng. Asst.	
344			3					Pearson, K. L.	Engrg. Mgr. II	Semiconductor Storage Development
345				4				Meddaugh, S. A.	Staff Eng.	
346				4				Amundson, D. L.	Pr. Eng. Elec.	
347				4				Drexler, J. V.	Pr. Eng. Elec.	
348				4				Krocheski, T. L.	Pr. Eng. Elec.	
349				4				Hedin, R. C.	Sr. Eng. Elec.	
350				4				Fosler, D. E. Jr.	Eng. Elec.	
351				4				Brown, G. L.	Assoc. Eng. Elec.	
352				4				Karban, S. H.	Assoc. Eng. Elec.	
353				4				Grienke, J. M.	Eng. Spec. Elec.	
354				4				Hawkins, S. O.	Eng. Spec. Elec.	
355				4				Hennen, C. L.	Eng. Spec. Elec.	

<u>Seq #</u>	<u>Level</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>Name</u>	<u>Title</u>	<u>Department</u>
356				3				Bratsch, J. D.	Engrg. Mgr. II	Mechanical Design & Prototype Development
357					4			Johnson, G. R.	Pr. Eng. Mech.	
358					4			Larson, K. A.	Pr. Eng. Mech.	
359					4			Sieben, C. W.	Pr. Eng. Mech.	
360					4			Lillie, G. A.	Sr. Eng. Mech.	
361					4			Lukas, E. S.	Sr. Eng. Mech.	
362					4			Delke, R. A.	Eng. Spec. Mech.	
363					4			Illi, J. R.	Sr. Des.	
364					4			Temple, G.	Sr. Des.	
365				3				Myller, R. J.	Engrg. Mgr. II	Controller and Converter Hardware Development
366				3a				LeDuc, D. M.	Secy. Typ.	
367					4			Hokenson, G. L.	Pr. Eng. Elec.	Logic Design
368						5		Erickson, R. D.	Pr. Eng. Elec.	
369						5		Staege, G. R.	Sr. Eng. Elec.	
370						5		VanDeWalker, D. L.	Sr. Eng. Elec.	
371						5		Kassel, J. W.	Assoc. Eng. Elec.	Mechanical Design
372						5		Vanderheiden, E. G.	Eng. Spec. Elec.	
373					4			Holm, A. J.	Pr. Eng. Mech.	
374						5		Schluter, P. H.	Sr. Eng. Elec.	
375						5		Forsberg, G. B.	Assoc. Eng. Mech.	
376						5		Connors, M. G.	Eng. Spec. Elec.	
377					4			Kaszynski, A. Z.	Supv. Eng. Elec.	
378						5		Phelps, R. E.	Pr. Eng. Elec.	Interface Hardware
379						5		Gould, J. E.	Sr. Eng. Elec.	
380						5		Metz, L. C.	Sr. Eng. Elec.	
381						5		Novak, S. J.	Sr. Eng. Mech.	
382						5		Buetow, M. J.	Eng. Spec.	
383		1						Kerler, R. J.	Director	Complex Array Development
384		1a						Olson, D. B.	Sec. I	
385		1a						Powell, R. L.	Adm. Asst.	Bipolar
386			2					Griep, R. M.	Staff Engineer	
387			2					Shoquist, M. C.	Manager	Hybrid/Fiber Optic
388			2a					Rogalo, S. C.	Sr. Proj. Typ.	
389				3				(acting)M.C.Shoquist		Fiber Optic Systems
390					4			Davis, W. W.	Staff Eng.	
391					4			Griffith, E. S.	Pr. EE	
392					4			Osberg, A. I.	Sr. ME	
393					4			Carr, P. J.	Sr. EE	
394					4			Starkson, R. O.	Sr. EE	

<u>Seq #</u>	<u>Level</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>Name</u>	<u>Title</u>	<u>Department</u>
395				3				Engelking, J. E.	Staff Eng.	Hybrid/Fiber Optic Circuit Processing Lab
396					4			Ebright, E. L.	Pr. ME	
397					4			Reed, C. E.	Pr. CE	
398					4			Marz, T. P.	Phys	
399					4			Packard, O. J.	ES	
400					4			Langfield, C. H.	ES	
401					4			Bleckner, J. M.	EA	
402					4			Carow, J. A.	ETB	
403					4			Krummel, R. P.	ETB	
404				3				Kolling, J. A.	Manager	Hybrid/Fiber Optic Design
405					4			Pastre, J. D.	Supv. EE	
406					4			Anderson, C. J.	Pr. EE	
407					4			Oja, D. J.	Sr. EE	
408					4			Blomberg, P. J.	Sr. ME	
409					4			Huber, R. H.	EA	
410		2						Kirkwood, D. L.	Eng. Mgr.	
411			3					(acting)D.L.Kirkwood		
412					4			Mandl, K. D.	EE	
413					4			Newcomer, S. O.	EE	Support Engineering Support Development
414					4			Rogers, H. J.	EE	
415					4			Preckshot, N. E.	AEE	
416					4			Christiansen, R. M.	EA	
417				3				Nelson, R. D.	Supv. Engineer	
418					4			Youngquist, G. R.	Sr. EE	
419					4			Marchiafava, R. A.	EA	
420					4			Shea, D. P.	EA	
421					4			Guggisberg, R.	ETB	
422					4			Chial, T. C.	ETB	Photo Mask Facility
423					4			Phillips, J (temp)	ETC	
424				3				Garaffa, N.	Manager	
425					4			Crane, J.	PEE	
426					4			Lamey, P.	Sr. EE	
427					4			Kochel, L.	CE	
428					4			Hillman, E.	ES	
429					4			Carlson, G.	ES	
430					4			Banham, R.	SEC	
431		2						Beltz, C. A.	Eng. Manager	MOS/CMOS
432		2a						Hoover, V. L.	Proj. Typ. A	
433				3				Eklund, M. W.	Pr. EE	MOS/CMOS Project Control
434					4			Schoeberl, J. W.	Sr. EE	
435					4			Karas, M. J.	EE	
436					4			Breid, D. G.	ETA	
437					4			Norlander, A. D.	EA	

<u>Seq #</u>	<u>Level</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>Name</u>	<u>Title</u>	<u>Department</u>
438				3				(acting)C.A.Beltz		MOS/CMOS Array Development
439					4			Pogemiller, T. A.	EE	
440					4			Horne, M. A.	EE	
441					4			Sanden, J. B.	EE	
442					4			Brillhart, B. A.	EE	
443					4			Heikkila, W. W.	Sr. EE	
444					4			Dokos, D.	EE	
445					4			Fier, D. F.	EE	
446					4			Ginsky, R. L.	ES	
447					4			Hossler, D. E.	ETA	
448					4			Jensen, W. D.	EA	
449					4			Sellner, G. M.	EA	
450				3				(acting)C.A.Beltz		MOS/CMOS Array Processing
451					4			Lawrence, H.	Staff Eng.	
452					4			Makos, W. S.	Pr. EE	
453					4			Sampson, G. L.	Sr. EE	
454					4			Kalweit, H. W.	AEE	
455					4			Sinn, G. E.	ES	
456					4			Slabiak, J. K.	ETA	
457					4			McDonough, T. M.	ETA	
458					4			Johnson, C.	ETB	
459					4			Brown, M. W.	ETB	
460					4			Smith, W.	Consultant	
461				3				Casement, J.	Staff Eng.	Special Assignments
462		2						Tisdell, W. F.	Engineer	Materiel Engineering
463		2a						Soderberg, B. L.	Sec. I	
464				3				Asplund, K. L.	Manager	Electrical Component Engineering
465				3a				Reimenschneider, L. M.		
466					4			Iverson, R. I.	Supv. Eng. Elec.	Semiconductor Engineering
467						5		Bahneman, R. F.	Pr. Eng. Elec.	
468						5		Bolton, L. D.	Sr. Eng. Elec.	
469						5		Kohlwey, E. G.	Assoc. Eng. Elec.	
470						5		Scanlon, R. J.	Eng. Spec. Elec.	
471						5		Swezey, J. A.	Eng. Asst.	
472					4			Johnson, D. D.	Supv. Eng. Elec.	Electrical Component Lab
473						5		Beal, I. W.	Eng. Spec. Elec.	
474						5		Darmody, J. P.	Eng. Spec. Elec.	
475						5		Doroff, D. A.	Eng. Asst. Elec.	
476						5		Chappell, M. L.	Eng. Asst. Elec.	
477						5		Rother, N. V.	Eng. Asst. Elec.	
478						5		Lorenzen, J. C.	Eng. Asst.	
479						5		Johnson, G. W.	St. Eng.	
480						5		Kendall, H. J.	Eng. Spec. Elec.	
481					4			Flom, K. L.	Pr. Eng. Elec.	Passive Component Engineering
482						5		Tako, S.	Pr. Eng. Elec.	
483						5		Huettl, D. A.	Eng. Elec.	

Seq #	Level	1	2	3	4	5	6	Name	Title	Department
484				3				North, R. E.	Staff Eng.	Chemical Engineering
485					4			(acting)R.E.North		Chemical Development
486						5		Albers, F. C.	Staff Eng.	
487						5		Dahm, C. J.	Pr. Eng. Chem.	
488						5		Theiste, N. H.	Pr. Eng. Chem.	
489					4			Quam, E. R.	Pr. Eng. Chem.	Chemical Laboratory
490					4			Kovacic, J. E.	Pr. Eng. Chem.	Spectrochemical Analysis
491						5		Jensen, S. O.	Sr. Eng. Chem.	
492				3				Domrose, D. A.	Eng. Mgr. II	Metallurgical Engineering
493					4			Gabrielson, D. J.	Pr. Eng. Elec.	Dev. Hardware Support
494						5		Bahls, B. L.	Eng. Spec.	
495						5		Grannes, G. E.	Eng. Asst.	
496						5		Kangas, W.	Tech. Coord. B	
497						5		Fridgen, S. M.	Eng. Tech. A	
498						5		Winberg, B. H.	Eng. Tech. A	
499						5		Zimmerman, D. D.	Eng. Tech. A	
500					4			Finstuen, D. C.	Sr. Chem. Eng.	Graphics Laboratory
501						5		Stumpf, R. F.	Eng. Spec.	
502						5		Rea, K. R.	Eng. Asst.	
503						5		Harrison, M. W.	Eng. Tech. B	
504					4			(acting)D.A.Domrose		Materials & Metals
505						5		Benson, F. A.	Sr. Eng. Mech.	
506						5		Saltvick, A. C.	Sr. Eng. Mech.	
507						5		Wedger, S. D.	Eng. Mech.	
508						5		Coyle, L. E.	Eng. Chem.	
509						5		Connelly, E. F.	Eng. Spec.	
510				3				Ethier, D. O.	Staff Eng.	Applied Engineering
511					4			(acting)D.O.Ethier		Plastics Engineering
512						5		Kasel, J. A.	Sr. Eng. Chem.	
513						5		Amundson, H. C.	Eng. Spec.	
514						5		Bergland, A. D.	Eng. Asst.	
515						5		Peterson, J. T.	Eng. Asst.	
516					4			Skoog, W. A.	Supv.	Specifications Support
517						5		Zarembinski, E. F.	Tech. Coord. A	
518						5		Hoel, G. W.	Tech. Coord. B	
519						5		Macleod, T. H.	Tech. Coord. B	
520						5		Weeks, V. A.	Tech. Coord. B	
521						5		Stockman, C. R.	Uni. Clk. B	
522						5		Mager, F. L.	Tech. Coord. B	
523						5		Sanderson, R. A.	Designer	
524						5		Nack, K. J.	Clk. Typ. B	
525						5		Becker, C. A.	Verityper(contract)	

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<u>Name</u>	<u>First</u>	<u>Title</u>	<u>Sequence</u>	<u>Level</u>
Ahl, F. H.	Frederick 'Fred'	Des.	264	5
Albee, D. H.	Dave	Pr. Eng. Sys. Des.	117	5
Albers, F. C.	Frank	Staff Eng.	486	5
Alexander, M. L.	Merlyn	Pr. Eng. Elec.	11	3
Amundson, D. L.	Dennis	Pr. Eng. Elec.	346	4
Amundson, H. C.		Eng. Spec.	513	5
Anderson, C. J.	Curtis	Pr. EE	406	4
Anderson, D. R.	David	Soec. Eng. Elec.	88	5
Anderson, E. B.	Eugene	Eng. Asst.	306	6
Anderson, J. M.		Sr. Eng. Elec.	133	5
Andreason, J. H.	John	Sr. Eng. Elec.	69	5
Andreen, J. A.	Jim	Eng. Spec. Mech.	138	5
Antoniou, J. G.	John	Sr. Eng. Elec.	283	5
Arndt, A. L.	Al	Sr. Eng. Mech.	71	5
Asplund, K. L.	Ken	Manager	464	3
Bahls, B. L.	Bruce	Eng. Spec.	494	5
Bahneman, R. F.	Ric	Pr. Eng. Elec.	467	5
Banham, R.	Rose	SEC	430	4
Barnick, J. H.	John	Pr. Eng. Elec.	13	5
Bartsch, R. T.	Bob	Supv. Eng. Elec.	89	4
Baumann, R. A.	Bob	Eng. Asst.	146	5
Beal, I. W.	Ivan	Eng. Spec. Elec.	473	5
Beck, R. R.	Ron	Sr. Eng. Elec.	18	5
Beck, V. A.	Virgil	Sr. Des.	212	5
Becker, C. A.	Corrine	Verityper(contract)	525	5
Beckman, P.	Paul	Sr. Drft.	232	5
Beckstrom, J. C.	John	Eng. Spec. Elec.	156	5
Behm, W. A.	Wesley 'Wes'	Sr. Des.	242	5
Behnke, K. A.	Keith	Manager	209	3
Belljeski, R. J.	Bob	Eng. Spec. Elec.	135	5
Beltz, C. A.	Chuck	Eng. Manager	431	2
Bennig, O. R.	Otto	Eng. Syst. Des.	153	5
Benrud, V. M.	Vern	Pr. Eng. Elec.	316	6
Benson, F. A.	Fred	Sr. Eng. Mech.	505	5
Benson, L. A.	Lowell	Supr. Eng. Elec.	177	4
Bergland, A. D.	Arnie	Eng. Spec.	514	5
Bergman, E. M.	Elaine	Tech. Aide B	277	5
Bergman, G. E.	George Edward	Eng. Spec. Elec.	340	4
Bergman, J. A.	John	Sr. Eng. Elec.	150	5
Bissonette, C.		Sr. Des.	186	4
Bleckner, J. M.	John	EA	401	4
Blomberg, P. J.	Peter 'Pete'	Sr. ME	408	4
Bogily, G. R.		Asst. Eng. B	80	5
Boisclair, L. F.	Larry	Eng. Spec. Elec.	173	5
Bolton, L. D.	Larry	Sr. Eng. Elec.	468	5

<u>Name</u>	<u>First</u>	<u>Title</u>	<u>Sequence</u>	<u>Level</u>
Bondurant, D. W.	Dave	Eng. Elec.	123	5
Bonnes, J. A.	John	Eng. Mgr. II	33	3
Bosworth, G. L.	Gary	Pr. Eng. Elec.	44	4
Brandsness, G. T.	Gordy	Sr. Des.	243	5
Brashun, J. A.	Jackie	Secy. Typ.	10	2a
Braski, R. L.	Richard 'Dick'	Des.	235	5
Bratsch, J. D.	Jim	Engrg. Mgr. II	356	3
Breid, D. G.	Duane	ETA	436	4
Brekke, R. L.		Eng. Assoc.	339	4
Brillhart, B. A.	Bruce	EE	442	4
Brings, P. M.	Patty	Secy. II	95	2a
Broden, B. T.	Byron	Eng. Asst.	307	6
Brower, G. R.		Sr. Eng. Elec.	84	5
Brown, A. R.	Art	Pr. Eng. Elec.	194	4
Brown, G. L.	Gerry	Assoc. Eng. Elec.	351	4
Brown, J. D.	Jerry	Eng. Elec.	79	5
Brown, M. W.		ETB	459	4
Brown, R. A.	Bob	Eng. Asst. Mech.	200	6
Brumback, L. C.	Butch	Pr. Eng. Elec.	73	5
Bruner, A. W.	Arnie	Eng. Spec. Elec.	14	5
Buck, D. J.	Donald	Eng. Spec. Mech.	139	5
Buetow, M. J.	Maynard	Eng. Spec.	382	5
Bukovich, M. A.	Mike	Pr. Eng. Syst. Des.	160	4
Burns, M. D.	Marv	Eng. Asst.	110	5
Carlson, G.	Gloria	ES	429	4
Carlson, V. A.	Vern	Tech. Coord. A	275	5
Carow, J. A.	Jim	ETB	402	4
Carr, D. L.	Dennis	Eng. Elec.	102	5
Carr, P. J.	'PJ'	Sr. EE	393	4
Casement, J.	John	Staff Eng.	461	3
Castrodale, P. A.	Paul	Eng. Elec.	205	6
Cegla, C. A.	Chris	Secy. II	181	2a
Chappell, M. L.	Mel	Eng. Asst. Elec.	476	5
Chial, T. C.	Tom	ETB	422	4
Christenson, V. E.	Veral	Engrg. Mgr. II	332	3
Christiansen, R. M.	Ron	EA	416	4
Cich, E. J.	Ed	Eng. Spec. Mech.	140	5
Claude, G. L.	Gary	Sr. Eng. Elec.	114	5
Clausen, R. C.	Richard 'Dick'	Sr. Des.	244	5
Clayton, S. K.		Sr. Eng. Elec.	91	5
Collins, A. K.	Art	Assoc. Eng. Elec.	61	5
Connelly, E. F.	Ed	Eng. Spec.	509	5
Connors, M. G.	Mike	Eng. Spec. Elec.	376	5
Coyle, L. E.	Lee	Eng. Chem.	508	5
Crane, J.	John	PEE	425	4

<u>Name</u>	<u>First</u>	<u>Title</u>	<u>Sequence</u>	<u>Level</u>
Crook, T.	Tracy	Engrg. Asst.	187	4
Cunningham, J. M.	Jim	Pr. Eng. Elec.	336	4
Dahm, C. J.	Cy	Pr. Eng. Chem.	487	5
Darmody, J. P.	Pat	Eng. Spec. Elec.	474	5
Daub, A. J.	Jeff	Des.	265	5
Davis, W. W.	Bill	Staff Eng.	390	4
DeBerry, R. D.	Bob	Supv.	272	4
Delke, R. A.	Bob	Eng. Spec. Mech.	362	4
Deward, R. C.	Bob	Pr. Eng. Sys. Des.	167	4
Diegnau, R. A.	Ron	Sr. Des.	245	5
Dietzler, P. J.	Paul	Eng. Spec. Elec.	157	5
Dischinger, J. P.	Joe	Sr. Des.	246	5
Dokos, D.	Dimitri	EE	444	4
Dombeck, R. J.	Ray	Supv. Eng. Elec.	147	4
Domka, J. R.	John	Eng. Spec. Elec.	42	5
Domrose, D. A.	Don	Eng. Mgr. II	492	3
Donahue, C. J.	Chuck	Sr. Des.	247	5
Dorn, K. A.	Ken	Eng. Spec. Elec.	341	4
Doroff, D. A.	Duane 'Dad'	Eng. Asst. Elec.	475	5
Drexler, J. V.	Jim	Pr. Eng. Elec.	347	4
Duarte, M.		Eng. Asst. Mech.	143	5
Dudek, P. L.	Paul	Eng. Asst. Mech.	144	5
Dunlap, D. F.	Don	Sr. Eng. Elec.	323	6
Durand, D. F.	Dennis or Dave	Sr. Des.	248	5
Dzieweczynski, D. A.	Dave	Eng. Elec.	290	5
Ebright, E. L.	Bob	Pr. ME	396	4
Edquist, H. E.	Herb	Sr. Eng. Elec.	300	5
Edstrom, W. O.	Woody	Pr. Eng. Mech.	128	5
Egan, E. H.	Ed	Asso. Eng. Mech.	112	5
Eiden, W. E.	Wayne	Assoc. Eng.	124	5
Ekey, L. A.	Larry	Sr. Eng. Elec.	193	5
Eklund, M. W.	Marshal	Pr. EE	433	3
Ellings, D. O.	Don	Supv. Eng. Elec.	315	5
Engelking, J. E.	Jim	Staff Eng.	395	3
Enkhart, T. L.	Tad	Eng. Spec. Elec.	206	6
Enkhaus, R. R.	Rollie	Sr. Eng. Mech.	171	5
Erdrich, R. A.	Dick	Sr. Eng. Elec.	151	5
Erickson, L. E.	Lauren	Eng. Spec. Elec.	195	5
Erickson, R. A.	Bob	Vice President	1	0
Erickson, R. D.	Dick	Pr. Eng. Elec.	368	5
Erickson, S. G.	Steve	Eng. Spec.	328	6
Ethier, D. O.	Dorothy 'Rusty'	Staff Eng.	510	3
Evans, R. L.	Robert	Eng. Asst.	343	4
Evert, J. P.	John	Pr. Eng. Mech.	52	4

<u>Name</u>	<u>First</u>	<u>Title</u>	<u>Sequence</u>	<u>Level</u>
Farquer, A. W.	Al	Eng. Mgr. II	74	3
Fasching, H. J.	Herm	Pr. Eng. Mech.	281	5
Fedde, M. P.	Mike	Eng. Elec.	168	5
Fier, D. F.	Don	EE	445	4
Fietcher, L. L.	Larry	Pr. Eng. Elec.	299	5
Finstuen, D. C.	Del	Sr. Chem. Eng.	500	4
Fisher, P. M.	Pat	Sr. Proj. Typ.	55	3a
Flom, K. L.	Keith	Pr. Eng. Elec.	481	4
Flugum, L. A.	Les	Eng. Tech. A	67	5
Fodness, D. A.	Don	Pr. Eng. Elec.	107	4
Forsberg, G. B.	Gary	Assoc. Eng. Mech.	375	5
Fosler, D. E. Jr.	Dick	Eng. Elec.	350	4
Fragiacomo, L. P.	Livio	Sr. Des.	249	5
Francis, R. E.	Bob	Assoc. Eng. Elec.	41	5
Frazier, J. H.	Jim	Eng. Spec. Elec.	179	5
Free, D. W.	Dean	Sr. Eng. Elec.	162	5
Fridgen, S. M.	Steve	Eng. Tech. A	497	5
Fronning, A. M.	Arlen	Eng. Asst.	308	6
Gabrielson, D. J.	Don	Pr. Eng. Elec.	493	4
Gallagher, H. J.	Hugh	Sr. Eng. Mech.	130	5
Ganzer, F. J.	Pete	Sr. Des.	250	5
Garaffa, N.	Nicholas 'Nik'	Manager	424	3
Geisz, E. W.	Gene	Eng. Manager II	96	3
Gemza, J. M.	Joe	Eng. Tech. A	311	6
Ges, R. W.		Sr. Eng. Mech.	78	5
Gieske, J. R.	John	Sr. Des.	251	5
Ginsky, R. L.	Bob	ES	446	4
Goldsmith, P.	Pete	Sr. Eng. Mech.	184	4
Gordon, S.	Sue	Tech. Info. Clk. A	190	4
Gould, J. E.	John	Sr. Eng. Elec.	379	5
Graber, K. L.	Ken	Eng. Elec.	103	5
Grannes, G. E.	Gordon	Eng. Asst.	495	5
Grape, J. W.	John	Pr. Eng. Elec.	288	4
Green, J. R.	Jerry	Eng. Spec. Elec.	15	5
Greer, J.	Joseph 'Joe' L.	Sr. Eng. Elec.	185	4
Grienke, J. M.	Jan	Eng. Spec. Elec.	353	4
Griep, R. M.	Roland Marting	Staff Engineer	386	2
Griffith, E. S.	Ernie	Pr. EE	391	4
Grimm, D. F.	Dave	Pr. Eng. Elec.	101	4
Grundtner, C. M.	Cecille 'Cissie'	Detailer	223	5
Grundy, G. L.	Gary	Supv. Eng. Elec.	314	4
Guggisberg, R.		ETB	421	4
Gutzmann, G. C.	Gerry	Sr. Eng. Elec.	321	5

<u>Name</u>	<u>First</u>	<u>Title</u>	<u>Sequence</u>	<u>Level</u>
Haag, B. A.	Barbara 'Barb'	Proj. Typ. A	210	3a
Hair, D. E.	Doug	Pr. Eng. Elec.	12	4
Halseth, J. R.	Jim	Eng. Spec. Elec.	105	5
Hammond, W. B.	Bill	Pr. Eng. Mech.	82	5
Hanley, I. J.	Leon	Sr. Des.	252	5
Hanson, A. M.	Arnie	Sr. Eng. Elec.	108	5
Hanson, B. H.	Bruce	Assoc. Eng. Elec.	338	4
Hardie, W. H.	Walter 'Walt'	Sr. Des.	253	5
Harms, D. A.	Dean	Des.	266	5
Harris, V. W.	Verl	Eng. Mech.	273	5
Harrison, M. W.		Eng. Tech. B	503	5
Hartwig, W. F.	Bill	Sr. Eng. Elec.	45	5
Hasseman, L. W.	Len	Pr. Eng. Elec.	28	5
Haupt, H. J.	Lary	Eng. Spec.	304	5
Hawkins, S. O.	Ed	Eng. Spec. Elec.	354	4
Hawley, R. C.	Rich	Eng. Spec.	142	5
Hayden, D. W.	Don	Sr. Eng. Elec.	50	5
Hedin, R. C.	Ray	Sr. Eng. Elec.	349	4
Heikkila, W. W.	Walt	Sr. EE	443	4
Helwig, R. E.	Bob	Eng. Asst.	303	6
Hennen, C. L.	Cleon	Eng. Spec. Elec.	355	4
Herrem, S. J.	Steve	Des.	227	5
Hervig, E. E.	Gene	Pr. Eng. Elec.	57	5
Hillman, E.	Edward 'Ed'	ES	428	4
Hitchcock, K. E.	Al	Eng. Elec.	317	6
Hoel, G. W.	Gordy	Tech. Coord. B	518	5
Hoffman, L. J.	Louis 'Louie'	Eng. Spec. Mech.	286	5
Hoffman, R. J.	Richard 'Rich'	Des.	267	5
Hogenson, C. O.	Curt	Sr. Eng. Elec.	284	5
Hokenson, G. L.	Gary	Pr. Eng. Elec.	367	4
Holck, L. R.	Lee	Eng. Tech. A	25	5
Holm, A. J.	Al	Pr. Eng. Mech.	373	4
Holste, D. D.	Dan	Eng. Elec.	134	5
Holt, J. W.	John	Sr. Drft.	218	5
Hoover, V. L.		Proj. Typ. A	432	2a
Horne, M. A.	Mert	EE	440	4
Hossler, D. E.	Dale(?)	ETA	447	4
Howe, J. A.	Jim	Pr. Eng. Elec.	132	5
Huber, R. H.	Raymond	EA	409	4
Huettl, D. A.	Dave	Eng. Elec.	483	5
Hurlburt, J. F.	James 'Jim'	Des.	228	5
Huth, G. O.	Gerry	Pr. Eng. Elec.	34	4

<u>Name</u>	<u>First</u>	<u>Title</u>	<u>Sequence</u>	<u>Level</u>
Illi, J. R.	Jerry	Sr. Des.	363	4
Irwin, P. J.	Pat	Sr. Math. Eng.	85	5
Iverson, R. I.	Bob	Supv. Eng. Elec.	466	4
Jablonski, R. C.	Bob	Supv. Eng. Elec.	131	4
Janisch, M. E.	Marvin 'Marv'	Eng. Spec.	158	5
Janisch, M. J.	Melvorn 'Mel'	Eng. Spec. Elec.	126	5
Jenkins, V. J.	Vaughn	Staff Eng.	87	4
Jensen, S. O.	Stan	Sr. Eng. Chem.	491	5
Jensen, W. D.	William 'Bill'	EA	448	4
Jenson, R. W.	Ralph	Pr. Eng. Mech.	111	4
Johnson, C.	Carl	ETB	458	4
Johnson, C. P.	Chuck	Adm. Asst.	7	2a
Johnson, D. D.	Don	Supv. Eng. Elec.	472	4
Johnson, D. E.	Donald	Eng. Spec. Elec.	63	5
Johnson, E. F.	Gene	Sr. Eng. Elec.	285	5
Johnson, G. R.	Gary	Pr. Eng. Mech.	357	4
Johnson, G. W.	Gary	St. Eng.	479	5
Johnson, O. G.	Oscar	Sr. Eng. Elec.	324	6
Johnson, S. G.	Stuart	Sr. Des.	254	5
Juneau, J. G.	Joe	Sr. Des.	255	5
Kalweit, H. W.	Harvey	AEE	454	4
Kaminski, D. G.	Dave	Sr. Eng. Elec.	178	5
Kangas, W.	Bill	Tech. Coord. B	496	5
Karas, M. J.	Michael	EE	435	4
Karban, S. H.	Steve	Assoc. Eng. Elec.	352	4
Karney, D. A.	Don	Eng. Assist.	207	6
Kasel, J. A.	Jack	Sr. Eng. Chem.	512	5
Kashuba, E. R.	Ed	Auto. Des. Eng. Sr.	240	4
Kassel, J. W.	Jim	Assoc. Eng. Elec.	371	5
Kaszynski, A. Z.	Al	Supv. Eng. Elec.	377	4
Keding, A. L.	Al	Sr. Eng. Elec.	152	5
Keenan, R. J.	Bob	Supv. Eng. Elec.	204	5
Kelleher, M. F.	Mike	Pr. Prog. Sci.	295	4
Kendall, H. J.	Harold	Eng. Spec. Elec.	480	5
Kerler, R. J.	Ralph	Director	383	1
Kirkwood, D. L.	Dave	Eng. Mgr.	410	2
Kiser, N. C.		Proj. Typ. A	331	2a
Kochel, L.	Leroy	CE	427	4
Kohlwey, E. G.	Ernie	Assoc. Eng. Elec.	469	5
Kolling, J. A.	John	Manager	404	3
Kovacic, J. E.	Joe	Pr. Eng. Chem.	490	4
Kozberg, B. H.	Bernie	Eng. Elec.	154	5
Krocheski, T. L.	Tom	Pr. Eng. Elec.	348	4
Krueger, G. M.	Gerry	Pr. Eng. Elec.	333	4

<u>Name</u>	<u>First</u>	<u>Title</u>	<u>Sequence</u>	<u>Level</u>
Krueger, R. G.	Ralph	Eng. Spec.	342	4
Kruger, J. R.	Jim	Eng. Spec. Elec.	64	5
Krulle, P. L.	Paul	Supv. Eng. Elec.	116	4
Krummel, R. P.	Bob	ETB	403	4
Kulczyk, E.	Ed	Staff Eng.	9	2a
LaBelle, H. T.	Helen	Sr. Proj. Typ.	166	3a
LaCroix, D. A.	Denny	Eng. Tech. A	208	6
LaCroix, S. A.	Steve	Drft.	233	5
Lamb, A. H.	Arlyn	Eng. Tech. A	312	6
Lamey, P.	Patrick 'Pat'	Sr. EE	426	4
Lange, S. D.	Sheldon	Supv. Eng. Elec.	279	3
Langer, R. E.	Bob	Sr. Des.	224	4
Langfield, C. H.	Clarence	ES	400	4
Lantto, E. S.	Ernie	Prof. Const. Scien. Eng.	3	1a
Larson, K. A.	Ken	Pr. Eng. Mech.	358	4
Lauer, D. F.	David 'Dave'	Des.	268	5
Lawrence, H.	Howard	Staff Eng.	451	4
LeDuc, D. M.	Marie	Secy. Typ.	366	3a
Lemke, A. O.	Al	Sr. Des.	256	5
Lesko, L. W.	Larry	Pr. Eng. Elec.	68	4
Leslie, F. P.	Pat	Eng. Asst. Elec.	106	5
Leuma, M. C.	Michael 'Mike' or Mark	Eng. Elec.	98	5
Lillie, G. A.	Glen	Sr. Eng. Mech.	360	4
Lindstedt, B. S.	Brock	Assoc. Eng. Elec.	30	5
Livingston, D. S.		Eng. Elec.	99	5
Loges, B. L.		Assoc. Eng. Elec.	21	5
Lorenzen, J. C.	Jim	Eng. Asst.	478	5
Luck, R. G.	Bob	Sr. Prog. Sci.	296	5
Lukas, E. S.	Ed	Sr. Eng. Mech.	361	4
Maas, E. J.	Edward 'Ed'	Eng. Asst.	309	6
Macleod, T. H.	Tom	Tech. Coord. B	519	5
Macrorie, N. W.	Neil N.	Sr. Eng. Elec.	29	5
Mager, D. V.	Don	Group Manager	93	2
Mager, F. L.	Lee	Tech. Coord. B	522	5
Mahoney, J. H.	John	Sr. Des.	257	5
Makos, W. S.	Walt	Pr. EE	452	4
Manchi, M. D.	Michael 'Mike'	Des.	229	5
Mandl, K. D.	Ken	EE	412	4
Marchiafava, R. A.	Dick	EA	419	4
Martanson, R. C.	Rod	Sr. Des.	329	6
Martin, R. J.	Rick	Assoc. Eng. Elec.	62	5
Marz, T. P.	Timothy 'Tim'	Phys	398	4
Matson, C. W.	Chuck	Staff Eng.	70	4

<u>Name</u>	<u>First</u>	<u>Title</u>	<u>Sequence</u>	<u>Level</u>
Mattie, R. R.	Ralph	Pr. Eng. Elec.	289	5
McBurney, S. C.	Steve	Eng. Elec.	47	5
McDonough, T. M.	Terry	ETA	457	4
McGrath, J.	Jim	Engrg. Tech. A	189	4
McInnis, J. D.	John	Supv.	137	4
McNeill, S. L.		Secy. II	75	3a
Medcalf, D. F.	Dean	Eng. Spec.	136	5
Meddaugh, S. A.	Sam	Staff Eng.	345	4
Melzer, R. K.	Rudy	Supv. Eng. Mech.	201	5
Metz, L. C.	Cecil	Sr. Eng. Elec.	380	5
Metzger, J. W.	Jack	Manager	293	3
Meyer, D. M.	Don	Group Manager	180	2
Mortenson, C. L.	Chuck	Sr. Eng. Elec.	337	4
Moseng, R. D.	Richard 'Dick'	Sr. Des.	225	5
Mott, D. J.	Denny	Sr. Eng. Elec.	17	5
Mueller, M. L.	Melvin or Marvin	Eng. Asst.	310	6
Myller, R. J.	Bob	Engrg. Mgr. II	365	3
Nack, K. J.	Karen	Clk. Typ. B	524	5
Nack, N. A.	Norm	Sr. Drft.	237	5
Naseth, W. P.	Bill	Eng. Spec. Elec.	291	5
Needham, V. M.	Vicky or Vickie	Doc. Cont. Clk. B	222	5
Nelson, R. D.	Bob	Supv. Engineer	417	3
Nelson, R. L.	Bob	Eng. Spec. Elec.	43	5
Ness, A. M.	Arnie	Pr. Eng. Mech.	197	5
Newcomer, S. O.	Steve	EE	413	4
Newman, C. K.		Assoc. Eng. Elec.	86	5
Newman, R. C.	Ronald 'Ron'	Des.	214	5
Nieters, A. B.	Al	Manager	196	4
Nilsson, B. E.	Ben	Sr. Eng. Elec.	32	5
Nobis, H. S.	Harold	Eng. Spec. Elec.	305	6
Nolen, E. O.	Elmer	Des.	269	5
Norlander, A. D.	Al	EA	437	4
Norling, C. H.	Chuck	Sr. Des.	258	5
Norling, G. G.	Gary	Eng. Asst.	24	5
North, R. E.	Bob	Staff Eng.	484	3
Novak, S. J.	Stan	Sr. Eng. Mech.	381	5
O'Brien, D. J.	Denny	Eng. Tech. A	203	6
Oja, D. J.	Dave	Sr. EE	407	4
Olmsted, L. G.	Larry	Sr. Drft.	219	5
Olson, D. B.	Dora	Sec. I	384	1a
Olssen, R. A.	Rodney 'Rod'	Des.	270	5
Oredson, R. D.	Bob	Eng. Spec. Elec.	100	5
Orosz, A. J.	Alex	Pr. Eng. Mech.	148	5
Osberg, A. I.	Al	Sr. ME	392	4

<u>Name</u>	<u>First</u>	<u>Title</u>	<u>Sequence</u>	<u>Level</u>
Osofsky, H.	Hy	Director	2	1
Oswald, R. C.	Bob	Pr. Eng. Elec.	39	5
Oulicky, R. J.	Bob	Eng. Manager II	115	3
Overdier, D. F.	Don	Pr. Eng. Elec.	118	5
Owen, M. A.	Mark	Assoc. Eng. Elec.	48	5
Packard, O. J.	Orville 'Orv'	ES	399	4
Page, D. P.	Darrel	Assoc. Eng. Mech.	327	6
Pastre, J. D.	John	Supv. EE	405	4
Pawlicki, D. J.	Don	Pr. Eng. Mech.	129	5
Pearson, K. L.	Ken	Engrg. Mgr. II	344	3
Peilsumail, S.	Serge	Pr. Eng. Elec.	77	5
Penkauskas, T. P.	Tom	Sr. Eng. Elec.	174	4
Peterson, G. L.	Gary	Eng. Mgr. II	54	3
Peterson, J. T.	John	Eng. Asst.	515	5
Peterson, L. D.	LaJean 'Jean'	Secy. I	4	1a
Peterson, N. E.	Norm	Supv.	274	5
Pethick, R. W.	Red	Supv. Eng. Mech.	182	3
Petschauer, T. W.	Tom	Eng. Manager II	165	3
Phelps, R. E.	Bob	Pr. Eng. Elec.	378	5
Phillips, J (temp)		ETC	423	4
Plait, M. W.	Mark	Tech. Aide A	276	5
Pliml, R. F.	Rick	Sr. Eng. Elec.	121	5
Poblete, W. R.	Bill	Sr. Eng. Sys. Des.	120	5
Pogemiller, T. A.	Tom	EE	439	4
Powell, R. L.	Randalyn 'Randi'	Adm. Asst.	385	1a
Preckshot, N. E.	Nancy	AEE	415	4
Price, D. K.		Eng. Elec.	109	5
Prohofsky, L. A.	Roy	Group Manager	330	2
Quam, E. R.	Bud	Pr. Eng. Chem.	489	4
Rausch, M. R.	Mary	Stenographer	294	3a
Rea, K. R.	Ken 'Kenny'	Eng. Asst.	502	5
Reed, C. E.	Clyde	Pr. CE	397	4
Regan, M. A.	Mike	Eng. Mech.	202	6
Reiman, D. S.	Dan	Eng. Tech. A	176	5
Reimenschneider, L. M.	Linda		465	3a
Reinke, H. L.	Skip	Eng. Spec. Elec.	125	5
Resendez, W. M.	Wanda	Uni. Data Clk. B	278	5
Rew, R. L.	Bob	Eng. Spec. Elec.	169	5
Richardson, P. H.	Paul	Pr. Eng. Mech.	127	4
Riebe, A. E.	Al	Pr. Eng. Elec.	97	4
Ringdahl, J.	John	Pr. Eng. Elec.	183	4
Rodriguez, P.	Paul	Sr. Eng. Elec.	49	4
Rogalo, S. C.	Sue or Char	Sr. Proj. Typ.	388	2a

<u>Name</u>	<u>First</u>	<u>Title</u>	<u>Sequence</u>	<u>Level</u>
Rogers, H. J.	Hal	EE	414	4
Roodell, D. R.		Assoc. Eng. Sys. Des.	164	5
Ross, H. V.		Pr. Eng. Mech.	83	5
Rother, N. V.	Norb	Eng. Asst. Elec.	477	5
Rowe, J. T.	Joe	Supv.	241	5
Ruprecht, A. P.	Al	Sr. Drft.	220	5
Ruter, J. L.	John	Eng. Elec.	172	5
Sabelko, D. E.	Donald 'Don'	Sr. Drft.	238	5
Salter, R. M.	Bob	Eng. Elec.	104	5
Saltvick, A. C.	Art	Sr. Eng. Mech.	506	5
Sampson, G. L.	George	Sr. EE	453	4
Sanden, J. B.	John	EE	441	4
Sanderson, R. A.	Sandy 'Bob'	Designer	523	5
Savick, G. E.		Eng. Elec.	60	5
Sawatzke, H. A.	Harry	Sr. Des.	226	5
Scanlon, R. J.	Dick	Eng. Spec. Elec.	470	5
Schaubert, J. A.	Jack	Pr. Eng. Sys. Des.	72	4
Schauer, C. E.	Charles	Sr. Des.	259	5
Schluter, P. H.	Paul	Sr. Eng. Elec.	374	5
Schoeberl, J. W.	John	Sr. EE	434	4
Schofield, R. R.		Supv. Eng. Sys. Des.	81	4
Schonebaum, T. H.	Tom	Eng. Spec. Elec.	287	5
Scott, M. K.	Marion	Des.	230	5
Sechrist, W. K.	Wayne	Eng. Spec.	319	6
Sellner, G. M.	George	EA	449	4
Senechal, D.	Dave	Eng. Tech. A	31	5
Shaw, G. R.	Gerry	Pr. Eng. Elec.	175	5
Shea, D. P.	Dan	EA	420	4
Shih, R. H.	Richard	Eng. Elec.	35	5
Shoquist, M. C.	Marc	Manager	387	2
Shore, D. L.	Don	Pr. Eng. Mech.	149	5
Shorrel, C. G.		Eng. Asst.	36	5
Shulstad, M. L.	Manny 'Mel'	Des.	215	5
Sieben, C. W.	Clarence	Pr. Eng. Mech.	359	4
Sindelar, J. J.	John	Tech. Coord. A	213	5
Sinn, G. E.	George(?)	ES	455	4
Skeie, M. M.	Marlon	Sr. Des.	260	5
Skoog, W. A.	Wally	Supv.	516	4
Skradde, W. C.	Bill	Sr. Des.	234	4
Skubitz, F.	Frank	Pr. Eng. Mech.	26	4
Slabiak, J. K.	Joy	ETA	456	4
Smith, D. J.	Don	Eng. Spec. Elec.	65	5
Smith, R. A.	Richard 'Dick' 'Smitty'	Sr. Drft.	221	5
Smith, W.		Consultant	460	4

<u>Name</u>	<u>First</u>	<u>Title</u>	<u>Sequence</u>	<u>Level</u>
Snow, W. W.	Woody	Pr. Eng. Mech.	90	5
Soderberg, B. L.	Bonnie	Sec. I	463	2a
Sorvick, K. D.	Kent	Eng. Elec.	318	6
Spearman, J.		Designer	188	4
Sperbeck, C. W.	Charlie 'Chuck'	Eng. Spec. Elec.	66	5
Stadler, R.	Russ	Eng. Asst. Elec.	159	5
Staege, G. R.	Gordy	Sr. Eng. Elec.	369	5
Stage, R. K.	Bob	Des.	231	5
Stallings, G. P.	George	Manager	301	4
Starkson, R. O.	Ross	Sr. EE	394	4
Staubus, J. W.	John	Pr. Eng. Elec.	334	4
Stellmach, E. L.	Ed	Pr. Eng. Mech.	282	5
Stockman, C. R.	Char	Uni. Clk. B	521	5
Stolte, J. F.	Jon	Eng. Elec.	40	5
Stramowski, R. E.	Ralph	Supv. Eng. Elec.	298	4
Strelnieks, R. E.	Richard or Bob	Sr. Des.	211	4
Stumpf, R. F.	Bob	Eng. Spec.	501	5
Swanson, R. B.	Ric	Administrator	5	2
Swenson, M. R.	Marlon	Pr. Eng. Elec.	58	5
Swezey, B. F.	Ben	Prop. Adm.	6	2a
Swezey, J. A.	Jim	Eng. Asst.	471	5
Taipale, H. J.	Harvey	Sr. Eng. Elec.	192	4
Tako, S.	Steve	Pr. Eng. Elec.	482	5
Tam, H. O.	Harold 'Harry'	Eng. Spec. Elec.	22	5
Temple, G.	George	Sr. Des.	364	4
Theiste, N. H.	Norm	Pr. Eng. Chem.	488	5
Theros, W. S.	Bill	Sr. Des.	261	5
Thibideau, J. A.	Jerry	Eng. Spec. Elec.	23	5
Thomsen, R. G.		Sr. Drft.	239	5
Thomsen, W. M.	Walt	Sr. Des.	262	5
Thorsrud, L. T.	Lee	Pr. Eng. Elec.	322	6
Thurber, K. J.	Ken	Prof. Const. Scien. Eng.	94	2a
Tierney, P. R.	Pete	Group Manager	8	2
Timm, A. M.	Art	Eng. Spec. Mech.	141	5
Tisdell, W. F.	Bill	Engineer	462	2
Tittensor, D. R.		Assoc. Eng. Elec.	92	5
Tomala, F. J.	Frank	Eng. Spec. Mech.	198	6
Toske, J. C.	Joel	Des.	216	5
Turnquist, R. D.	Rod	Pr. Eng. Elec.	335	4
Ubelhoer, R. F.	Bob	Sr. Eng. Mech.	19	5
Unke, W. F.	Willis	Des.	271	5
Urbick, M. A.	Mark	Eng. Spec. Elec.	320	6



Established in 1980

Univac Engineering Personnel
February 1, 1977

Legacy Project Paper
August 2015

<u>Name</u>	<u>First</u>	<u>Title</u>	<u>Sequence</u>	<u>Level</u>
Vanderheiden, E. G.	Earl	Eng. Spec. Elec.	372	5
VanDeWalker, D. L.	Dean	Sr. Eng. Elec.	370	5
Vick, L. A.	LeRoy	Pr. Eng. Elec.	113	4
Wade, R. C.	Raymond	Eng. Tech. B	313	6
Wagner, M. A.	Mel	Pr. Eng. Elec.	119	5
Wagner, R. J.	Dick	Pr. Eng. Sys. Des.	38	4
Waldemar, D. A.	Dean	Eng. Asst. Mech.	145	5
Walker, J. W.		Eng. Spec.	292	5
Walsh, R. H.	Richard 'Dick'	Sr. Des.	263	5
Warwick, J. S.	Jim	Pr. Eng. Mech.	53	5
Wedger, S. D.	Steve	Eng. Mech.	507	5
Weeks, V. A.	Vern	Tech. Coord. B	520	5
Weiss, D. D.	Darrel	Eng. Elec.	280	4
Weller, H. B.	Howard	Eng. Spec.	325	6
Wenz, C. F.	Chuck	Pr. Eng. Mech.	161	5
Werner, R. A.	Ralph	Eng. Elec.	163	5
Westergard, W. O.	Wayne	Supv. Eng. Syst. Des.	76	4
Whebbe, G. S.	Greg	Des.	217	5
White, R. A.	Bob	Supv. Eng. Elec.	56	4
Wiedenman, D. M.	Doug	Pr. Eng. Elec.	170	4
Williams, J. A.	John	Eng. Asst. Elec.	51	5
Winberg, B. H.	Bruce	Eng. Tech. A	498	5
Wolf, R. C.	Bob	Eng. Elec.	20	5
Wolszon, R. J.	Dick	Sr. Eng. Elec.	122	5
Wong, A. M.		Assoc. Eng.	155	5
Youngquist, G. R.	Glen	Sr. EE	418	4
Zandaroski, B.	Bernie or Ben	Des.	236	5
Zarembinski, E. F.	Efron 'Ski'	Tech. Coord. A	517	5
Zekoff, W. R.	Bill	Eng. Asst.	37	5
Ziemski, G. S.	George	Eng. Spec. Mech.	199	6
Zimmerman, D. D.	David	Eng. Tech. A	499	5
Zwolle, D. R.	Don or Dave	Sr. Eng. Elec.	59	5