

## 1 Office of the Director, NIST

## Office of the Director, NIST

## 100 Director's Office, NIST

		Bldg	Room	Mail	Ext
Director	Dr. J.W. Lyons	Admin	A1134	A1134	2300
Secretary	Mrs. M.E. Chandler	Admin	A1134	A1134	2301
Deputy Director	Mr. R.G. Kammer	Admin	A1134	A1134	2300
Secretary	Mrs. A.F. Walker	Admin	A1134	A1134	2300
Associate Director	Mr. S. Kramer	Admin	A1134	A1134	2303
Secretary	Mrs. N.B. Skinner	Admin	A1134	A1134	2302
Counselor to the Director	Mr. M.G. Stanley	Admin	A1123	A1128	3975
Secretary	Mrs. J.C. Loewe	Admin	A1119	A1128	3975
Controlled Correspondence	Mrs. D.A. Walker	Admin	A1134	A1134	2300
Senior Management Advisor	Mrs. T.J. Talbott	Admin	A1126	A1128	2306
Executive Officer	Mrs. K.S. Williams	Admin	A1124	A1128	2397
Administrative Officer	Mrs. L.D. Shannon	Admin	A1128	A1128	2314
Secretary	Mrs. M.E. Sullivan	Admin	A1128	A1128	2307
Deputy Chief Counsel	Mr. M.R. Rubin	Admin	A1113	A1111	2803
Secretary	Miss K.J. Rohrbaugh	Admin	A1111	A1111	2803
Visiting Committee	Dr. D.E. Hall	Admin	A527	A527	2158
Congressional and Legislative Affairs	Mrs. E.C. Cassidy	Admin	A1109	A1111	3080
Legislative Analyst	Mrs. V.B. Hines	Admin	A1115	A1111	3080
Legislative Analyst	Mrs. C. Cummings	Admin	A1111	A1111	3080

## 102 Office of Quality Programs

Director for Quality Programs	Dr. C.W. Reimann	Admin	A526	A537	2036
Secretary	Mrs. L.C. Mann	Admin	A533	A537	3771
Program Manager	Mrs. K.O. Leedy	Admin	A533	A537	3196

## 104 Office of the Director, NIST/Boulder Laboratories

* Director	Dr. R.A. Kamper	1	5001	104.00	3237
* Secretary	Mrs. J. Emery	1	5003	104.00	3237

## 106 Program Office

Director	Ms. E. Buntin-Mines	Admin	A1001	A1005	2657
Secretary	Mrs. L.K. Stutso	Admin	A1003	A1005	2657
Senior Analyst	Vacant	Admin	A1005	A1005	2662
Senior Economist	Dr. G.C. Tassej	Admin	A1009	A1005	2663
Analyst MSEL/BFRL	Dr. D. Cranmer	Admin	A1000	A1005	2148
Analyst CSL/ATP	Mr. R.J. Linn, Jr.	Admin	A1002	A1005	2660
Analyst EEEL/MEL	Mr. A.C. Newell	Admin	A1002	A1005	2659
Analyst CSTL/PL	Dr. R.L. Watters, Jr.	Admin	A1000	A1005	2665
Analyst CAML/TS	Dr. K.R. Eberhardt	Admin	A1000	A1005	2661

## 107 Budget Office

Budget Officer	Mr. T.A. Gary	Admin	A1028	A1026	2669
Secretary	Mrs. S.B. Kelley	Admin	A1026	A1026	2669
.01 Justification and Analysis	Mrs. J.L. Beck	Admin	A1025	A1026	2681
Lead Analyst/ Administrative and Facilities Programs	Mrs. L. Sylvester	Admin	A1033	A1026	2690
Lead Analyst/Technical Programs/TS	Mrs. J.C. Brown	Admin	A1029	A1026	2683
Analyst CSTL/PL	Mrs. S.C. Austin	Admin	A1029	A1026	2678
Analyst EEEL/CAML	Mrs. M.T. Greenhouse	Admin	A1033	A1026	2685
Analyst CSL	Mrs. D. Holland	Admin	A1033	A1026	2676
Analyst MEL/TS	Mrs. L. Kubacki	Admin	A1029	A1026	2154
Analyst MSEL/BFRL	Mrs. D. Kline	Admin	A1029	A1026	2677
.02 Formulation and Financial Management Systems	Mr. D.E. Drinkwater	Admin	A1023	A1026	2674
Lead Analyst/Formulation	Mr. F.J. Gera	Admin	A1015	A1026	2684
Lead Analyst/Financial Management	Mr. H.P. Cherny	Admin	A1019	A1026	2686

## 108 Office of Personnel and Civil Rights

		Bldg	Room	Mail	Ext
Personnel Officer	Mrs. E.M. Dowd	Admin	A133	A123	3000
Secretary	Mrs. N.C. Chapwick	Admin	A133	A123	3000
Administrative Officer	Ms. S.A. Robinson	Admin	A133	A123	3001
Classification/SES	Mr. R.K. Avadikian	Admin	A123	A123	3012
* Personnel	Mr. E.A. Hubin	1	3001	108.00	6305
Operations/Boulder					
.01 Demonstration Project	Mr. A.F. Cassady	Admin	A123	A123	3031
.02 Staff Services	Mrs. E.M. Dowd/Act/	Admin	A123	A123	3008
Secretary	Ms. P.L. Tomalewski	Admin	A123	A123	3008
Labor Relations	Mrs. D.W. Smyth	Admin	A123	A123	3041
Performance Management	Mrs. V.S. Fox	Admin	A228	A123	3049
Staffing	Mrs. D.A. Martin	Admin	A228	A123	3039
Employee Benefits	Mrs. M. Robertson	Admin	B104	A123	2157
Adverse Actions	Mrs. D.W. Smyth	Admin	A123	A123	3041
Training	Mrs. L.J. Parmelee	Admin	A226	A123	3009
Awards	Mrs. J.C. Schneider	Admin	A123	A123	3019
Data Management	Mrs. M.R. Park	Admin	A205	A123	3030
Payroll/Processing	Mrs. J.M. Hoffman	Admin	A123	A123	3185
.04 Operations	Mr. J.R. Hanson	Admin	A123	A123	3012
Secretary	Mrs. J.Z. Paule	Admin	A123	A123	3012
Team Leader	Mrs. R.T. Bussie	Admin	A123	A123	3020
1	Mrs. L.G. Parrish	Admin	A123	A123	3035
320, 322	Mrs. R.T. Bussie	Admin	A123	A123	3020
353	Mrs. L.G. Parrish	Admin	A123	A123	3035
330, 87	Mrs. P.L. Chones	Admin	A123	A123	3050
346, 351, 354, 357	Mrs. J.B. Zellman	Admin	A123	A123	3021
Team Leader	Mrs. C.A. Hubshman	Admin	A123	A123	3040
200-222	Mrs. C.A. Hubshman	Admin	A123	A123	3040
230-250, 81	Mr. J.L. Chambers	Admin	A123	A123	3022
82	Ms. A.L. Davis	Admin	A123	A123	2280
86, 88	Mr. S.L. Hatchett	Admin	A123	A123	3034
Team Leader	Mrs. R.A. Hornuth/Act/	Admin	A123	A123	3033
830-833	Mrs. R.A. Hornuth/Act/	Admin	A123	A123	3033
834-838	Mrs. S.K. Jones	Admin	A123	A123	3042
84	Ms. K.A. Yarnas	Admin	A123	A123	2487
85	Mrs. R.A. Hornuth	Admin	A123	A123	3033
.06 Civil Rights	Mr. A.C. Lewis	Admin	A123	A123	2038
Secretary	Mrs. R.E. Warnock	Admin	A123	A123	2038
AAP/FEORP	Mrs. J.J. Grimes	Admin	A224	A123	2041
EEO Complaints/Outreach Programs	Ms. M.M. Keys	Admin	A224	A123	2042
109 Director for International and Academic Affairs					
Director	Dr. G.A. Sinnott	Admin	A500	A505	3089
Secretary	Mrs. C.R. Jones	Admin	A505	A505	3069
Deputy Director for International Affairs	Dr. K.F. Gordon	Admin	A509	A505	2664
Deputy Director for Academic Affairs	Dr. B.H. Colvin	Admin	A515	A505	3067
Secretary	Mrs. D. Paul	Admin	A505	A505	3076
Director, Office of International Relations	Dr. B.S. Carpenter	Admin	A513	A505	4119
Secretary	Mrs. J.F. Hydorn	Admin	A505	A505	3071
International Administrative Specialist	Mrs. C.A. Smith	Admin	A511	A511	3082
International Relations Assistant	Ms. L. Roadarmel	Admin	A511	A511	3072
150 Advanced Technology Program					
Director	Mr. G.A. Uriano	Admin	A401	A402	5187
Deputy Director	Dr. B.C. Belanger	Admin	A403	A402	3778
Secretary	Mrs. R.S. Allen	Admin	A402	A402	5187

## 2 Technology Services

### Technology Services

#### 200 Office of the Director of Technology Services

Director	Dr. D.R. Johnson	Phy	A365	A363	4500
Secretary	Mrs. J.R. Russell	Phy	A363	A363	4500
Deputy Director	Mr. D.E. Edgerly	Phy	A363	A363	4500
Secretary	Ms. A. Tangara	Phy	A363	A363	4500
Executive Officer	Mrs. H.V. Stottlemeyer	Phy	A353	A363	2013
Secretary	Ms. W.S. Bell	Phy	A362	A363	2859
Administrative Officers:	Mrs. A.A. Dugan	Phy	A360	A363	4521
	Mrs. B.A. Hyde	Admin	A607	A603	4002
	Ms. T.D. Siedling	Phy	B366	B354	2008
	Mrs. S.C. Wean	TRF	A121	A115	5510

#### 201 Manufacturing Technology Centers Program

Director	Dr. P.N. Nanzetta/Act/	Met	B112	B124	3414
----------	------------------------	-----	------	------	------

### Office of Standards Services

#### 210 Office of the Director, Standards Services

Director	Dr. S.I. Warshaw	Admin	A602	A603	4000
Deputy Director	Mr. W.G. Leight	Admin	A601	A603	4010
Secretary	Mrs. J.M. Baker	Admin	A603	A603	4000

#### 211 Standards Code and Information Program

Chief	Mr. J.L. Donaldson	Admin	A631	A629	4029
-------	--------------------	-------	------	------	------

#### 212 Standards Management Program

Chief	Dr. S.E. Chappell	Admin	A627	A625	4023
-------	-------------------	-------	------	------	------

#### 213 Weights and Measures Program

Chief	Dr. C.S. Brickenkamp/Act/	Admin	A615	A617	4009
.01 Laws, Regulations, and Commodities	Dr. C.S. Brickenkamp	Admin	A613	A617	4005
.02 Device Technology	Mr. H.V. Oppermann	Admin	A619	A617	4008

#### 214 Laboratory Accreditation Program

Chief	Mr. A.D. Tholen	TRF	A124	a124	4017
-------	-----------------	-----	------	------	------

### Office of Technology Commercialization

#### 220 Office of the Director, Technology Commercialization

Director	Dr. C.C. Gravatt	Phy	A349	A343	3690
Secretary	Vacant	Phy	A343	A343	3086

#### 221 Research and Technology Applications Program

Chief	Mr. J.G. Berke	Phy	A341	A343	5017
-------	----------------	-----	------	------	------

#### 222 Technology Development and Small Business Program

Chief	Dr. B.E. Mattson	Phy	A345	A343	3084
-------	------------------	-----	------	------	------

### Office of Measurement Services

#### 230 Office of the Director, Measurement Services

Director	Mr. S.D. Rasberry	Phy	B354	B354	3602
----------	-------------------	-----	------	------	------

Secretary	Mrs. V.M. Moore	Phy	B354	B354	3602
-----------	-----------------	-----	------	------	------

#### 231 Standard Reference Data Program

Chief	Dr. M.W. Chase	Phy	A325	A323	2200
.01 Data Systems Development	Mrs. P. Fagan	Phy	B328	B328	2213

#### 232 Standard Reference Materials Program

Chief	Mr. W.P. Reed	EM	112	1124	2011
Project Managers:	Mrs. N.M. Trahey	EM	212	212	2021
	Ms. J. Kane	EM	212	212	2668
	Ms. J. Colbert	EM	212	212	2014
	Mr. P.A. Lundberg	EM	212	212	2028
	Ms. L.T. Best	EM	204	204	2027
Manager, Customer Sales/Service					
.01 Production and Certification	Mr. T.E. Gills	EM	212	212	2016

#### 233 Physical Measurement Services Program

Chief	Dr. J.D. Simmons	Phy	B364	B362	2002
-------	------------------	-----	------	------	------

### Office of Technology Evaluation and Assessment

#### 240 Office of the Director, Technology Evaluation and Assessment

Director	Mr. G.P. Lewelt	TRF	A103	A115	5504
Deputy Director	Dr. J.J. Ulbrecht	TRF	A109	A115	5511
Secretary	Ms. M.A. Wood	TRF	A101	A115	5504

#### 241 Energy-Related Inventions Program

Chief	Mr. G.P. Lewelt/Act/	TRF	A103	A115	5504
-------	----------------------	-----	------	------	------

#### 242 Non-Energy-Related Inventions Program

Chief	Mr. G.P. Lewelt/Act/	TRF	A103	A115	5504
-------	----------------------	-----	------	------	------

### Office of Information Services

#### 250 Office of the Director, Information Services

Director	Ms. P.W. Berger	Admin	E108	E106	2784
Administrative Officer	Ms. M.G. Smith	Admin	A45	E106	2788
Secretaries:	Ms. D.I. King	Admin	E106	E106	2784
	Ms. C.E. Kline	Admin	E106	E106	2785
Information Systems	Mr. M. Bond	Admin	E216	E106	2789
.01 Research Resources Development	Mrs. S. Klein/Act/	Admin	E123	E106	2809
.02 Research Information Services	Mrs. S. Klein	Admin	E124	E106	2790
Public Inquiries	Ms. P. Saunders	Admin	E128	E106	3058
Museum/Historical Information	Ms. K. Beal	Admin	E07	E106	2792
.03 Publications Production	Mr. D. Harris/Act/	Admin	A400	A402	3572
WERB Secretariat	Mr. R. MacCullough	Admin	A401	A402	3573

## 3 Director of Administration

### Director of Administration

#### 320 Office of the Director of Administration

Director	Mr. G.W. Chamberlin, Jr.	Admin	A1101	A1105	2390
Deputy Director	Mr. K.E. Bell	Admin	A1100	A1105	2389
Secretary	Mrs. M.L. Mate	Admin	A1105	A1105	2390
Executive Officer	Mrs. S.L. Cowell	Admin	A1105	A1105	2393
Administrative Officer	Mrs. J.B. Barr	Admin	A1105	A1105	2389
Systems Analyst	Mr. D.K. Wise	S & P	B147	B128	5047

#### 322 Management and Organization Division

Chief	Ms. S.E. Bisco	Admin	A819	A817	4054
Secretary	Miss G.M. Roberson	Admin	A817	A817	4074
.01 Management Analysis	Ms. S.E. Bisco	Admin	A819	A817	4054
Directives Management	Miss P.E. Boyd	Admin	A817	A817	4062
Organizational Design/Consultive Services	Ms. S.E. Bisco	Admin	A819	A817	4054
.02 Forms and Records Management	Miss S.C. Cox	Admin	B118	B118	4064
Forms Management	Miss S.C. Cox	Admin	B118	B118	4064
Records Management	Miss B.L. Thomas	Admin	B118	B118	4092

#### 330 Office of the Comptroller

Comptroller	Mr. J.C. McGuffin	Admin	A929	A929	2292
Secretary	Mrs. D.D. Williams	Admin	A929	A929	2292
Administrative Officer	Ms. B. Thomas	Admin	A930	A929	2293

SATO	Mrs. B. Kulenek	Admin	A935	A935	2281
.02 Cost Accounting	Ms. K.S. Walker	Admin	A935	A935	2751
.03 Document Control	Mr. J.A. Marrazzo	Admin	A834	A836	3370
Reports/Data Base Information	Mrs. V.K. Cope	Admin	A836	A836	2498
.04 Cost Control	Ms. C.A. Abramson	Admin	A823	A825	2249
.05 Accounts Payable	Mrs. M.M. Steel	Admin	A825	A825	2267
.06 Advances and Reimbursements	Mr. J.W. Wisner	Admin	A809	A807	2275
.07 Systems	Mr. J.A. Marrazzo	Admin	A834	A836	3370
.08 Billing and Collections	Vacant	Admin	A807	A807	3880
.09 Accounting and Reports	Mr. H. Frizzell	Admin	A929	A929	2287

#### 346 Public Affairs Division

Chief	Mr. M. Heyman	Admin	A905	A903	2758
Secretary	Mrs. S. Hayduk	Admin	A903	A903	2758
Administrative Officer	Mrs. R.A. Green	Admin	A824	A903	2760
.01 Media and General Communications	Mr. M. Heyman/Act/	Admin	A905	A903	2762
* Boulder Public Affairs	Mr. F.P. McGehan	1	5004	346.01	3246
.02 General Publications	Mrs. S.A. Shaffer	Admin	A911	A903	2762
.03 Special Activities	Mrs. S.R. Torrence	Admin	A900	A903	2774
.04 Audiovisual Communications	Mr. R.E. Meininger	Admin	A227	A903	2761





# 82 Manufacturing Engineering Laboratory

Bldg Room Mail Ext

## Manufacturing Engineering Laboratory

### 820 Manufacturing Engineering Laboratory Office

Director	Dr. J.A. Simpson	Met	B326	B322	3400
Secretary	Mrs. B.J. Horner	Met	B322	B322	3400
Deputy Director	Dr. R.H.F. Jackson	Met	B320	B322	3401
Secretary	Mrs. D.G. Shoemaker	Met	B322	B322	3401
Executive Officer	Mr. M.B. Schmitt	Met	B318	B322	3402
Administrative Officers:					
821	Ms. C. Smith	Met	B314	B322	3408
822	Mrs. W. Eader	Met	B314	B322	3410
823	Mrs. L. Beavers	Met	B314	B322	3406
824	Mrs. L. Watkins	Met	B314	B322	3407
Manager, Manufacturing Programs	Dr. P.N. Nanzetta	Met	B112	B124	3414
Manager, Industrial Relations	Dr. M.M. Hessel	Met	B310	B322	2159

### 821 Precision Engineering Division

Chief	Dr. D.A. Swyt	Met	A109	A107	3463
.01 Dimensional Metrology	Mr. R.C. Veale	Met	B114	A107	3502
.02 Machine Metrology	Dr. T. Estler	Met	A105	A107	3483
.03 Micrometrology	Dr. C. Teague	Met	A119	A117	3490
.05 Microelectronics Dimensional Metrology	Dr. R. Larrabee	Tech	A355	A347	2298
.06 Surface and Particle Metrology	Dr. T. Vorbuerger	Met	A115	A117	3493

### 822 Automated Production Technology Division

Chief	Mr. D.S. Blomquist	Sound	B110	B106	6600
.02 Mass	Mr. D.S. Blomquist/Act/	Sound	A113	A149	4215
.03 Ultrasonic Standards	Dr. D.G. Eitzen	Sound	A149	A147	6624
.04 Sound and Vibration	Mr. D.S. Blomquist/Act/	Sound	A151	A147	6634
.05 Sensor Systems	Dr. A. Donmez	Sound	A103	B106	6618
.06 Sensor Integration	Mr. K. Lee	Sound	B104	B106	6602
.07 Force	Dr. S. Yaniv	EM	220	221	6655

### 823 Robot Systems Division

Chief	Dr. J.S. Albus	Met	B126	B124	3418
Intelligent Machines Program Manager	Mr. R. Kilmer	Met	B122	B124	3418
.01 Performance Measures	Mr. K. Goodwin	EM	104	104	3421
.02 Intelligent Controls	Dr. R. Lumia	Met	B128	B127	3452
.03 Systems Integration	Mr. M. Juberts	Met	B154	B127	3422
.04 Sensory Intelligence	Dr. M. Herman	Met	B110	B124	3441
.05 Unmanned Systems	Mr. R. Quintero	Met	B116	B124	3456

### 824 Factory Automation Systems Division

Chief	Mr. H.M. Bloom	Met	A129	A127	3508
IGES/PDES/STEP Office	Vacant	Met	A247	A127	3981
CALS/PDES Project Manager	Mr. C.R. McLean	Met	A125	A127	3511
.01 Production Management Systems	Mr. M. Luce	Met	A113	A127	2802
.02 Product Data Engineering	Ms. C.M. Furlani	Met	A147	A127	3543
.03 Integrated Systems	Dr. S.L. Stewart	Met	A149	A127	3833
.04 Machine Intelligence	Dr. T.H. Hopp	Met	A120	A127	3545

### 825 Fabrication Technology Division

Chief	Mr. A. Moll	Shops	137	136	6504
Administrative Officer	Ms. J. Eyler	Shops	136	136	6507
Apprentice Program	Mr. C. Summers	Shops	128	136	6515
Glassblowing	Mr. S. Reeder	Shops	124	136	6522
Grinding and EDM Shop	Mr. J. Kelley	Shops	155	136	6531
Special Shops	Mr. S. Reeder	Shops	124	136	6522
Optical Shop	Mr. S. Reeder	Shops	124	136	6522
Planning and Estimating	Mr. K. Wiltshire	Shops	132	136	6511
Tool Crib	Mr. K. Wiltshire	Shops	132	136	6525
Metal Storeroom	Mr. K. Wiltshire	Shops	132	136	6526
Main Shop	Mr. J. Kelley	Shops	155	136	6531
Sheet Metal and Welding Shop	Mr. J. Kelley	Shops	155	136	6531

# 83 Chemical Science and Technology Laboratory

Bldg Room Mail Ext

## Chemical Science and Technology Laboratory

### 830 Chemical Science and Technology Laboratory Office

Director	Dr. H.S. Hertz	Chem	A307	A309	3145
Secretary	Mrs. V.M. Davis	Chem	A309	A309	3143
Deputy Director for Operations	Mr. B.I. Diamondstone	Chem	A311	A309	3146
Secretary	Ms. B. Haegele	Chem	A309	A309	3144
Deputy Director for Programs	Dr. R.A. Haines	Admin	A526	A537	2036
Senior Management Advisor	Mr. R.F. Martin	Chem	B306	B308	4501
Secretary	Mrs. N.S. Renfrew	Chem	B308	B308	4501
Administrative Officers:					
830, 835	Mrs. S.W. Cook	Chem	B310	B308	4514
831, 838	Mrs. B.W. Shipe	Chem	B318	B308	2632
832	Mrs. J.E. Smith	2	2015	832.00	3868
833	Mrs. E.A. Halich	Chem	B312	B308	2129
834	Miss D.A. Cox	Chem	B316	B308	5831
836	Mrs. S.L. Johnson	Chem	B320	B308	2630
837	Mrs. N.M. Crockett	Chem	B314	B308	3147
838	Mrs. R.R. Wolf	2	2003	838.00	3520

### 831 Biotechnology Division

Chief	Dr. L.J. Powell	Phy	B258	B256	2627
.01 Biochemical Measurements	Dr. D.J. Reeder	Chem	A355	A353	3128
.02 Biophysical Measurements	Dr. S. Abramowitz	Chem	B346	A353	2587
.03 Advanced Research in Biotechnology	Dr. G.L. Gilliland	CARB	130	Phy	251- B256 2244

### 832 Chemical Engineering Division

* Chief	Mr. B.R. Bateman	2	1004	832.00	5366
* .01 Transport Processes	Dr. M.C. Jones	2	1108	832.01	3105

* .02 Systems Dynamics	Mr. B.R. Bateman/Act/	2	1004	832.02	5366
* .03 Properties of Solids	Mr. L.L. Sparks	2	1003	832.03	3612

### 833 Chemical Kinetics and Thermodynamics Division

Chief	Dr. S.G. Lias	Chem	A261	A260	2562
.01 Experimental Chemical Kinetics	Dr. P.J. Ausloos	Chem	A147	A260	2501
.02 Reference Data Centers	Dr. J.T. Herron	Chem	A241	A260	2569
.03 Chemical Thermodynamics	Dr. E.S. Domalski	Chem	A151	A260	2529

### 834 Inorganic Analytical Research Division

Chief	Dr. J.R. DeVoe	Chem	A351	A349	4144
.01 Analytical Mass Spectrometry	Dr. J.D. Fassett	Phy	B26	A21	4109
.02 Electroanalytical Research	Dr. W.F. Koch	Chem	A347	A349	4141
.03 Atomic and Molecular Spectrometry	Dr. J.C. Travis/Act/	Chem	A211	A223	4117
.04 Nuclear Methods	Dr. R.R. Greenberg	React	B109	B108	6285

### 835 Organic Analytical Research Division

Chief	Dr. W.E. May	Chem	B158	B158	3108
.01 Analytical Sensors and Automation	Dr. W.A. MacCrehan	Chem	A221	B158	3122
.02 Gas Metrology Research	Mr. W.D. Dorko	Chem	B332	B158	3916
.03 Organic Mass Spectrometry	Dr. M.J. Welch	Chem	B324	B158	3100
.04 Separation Science	Dr. S.A. Wise	Chem	B152	B158	3112

### 836 Process Measurements Division

Chief	Dr. H.G. Semerjian	Phy	B304	B306	2609
.01 Fluid Flow	Dr. G.E. Mattingly	FM	103	105	5939
.02 High Temperature Processes	Dr. A. Macek	Phy	B310	B306	2610
.03 Reacting Flows	Dr. G.J. Rosasco	Phy	B314	B306	4813
.04 Process Sensing	Dr. J.R. Whetstone	Phy	A305	A303	2738
.05 Thermometry	Dr. B.W. Mangum	Phy	B122	B126	4808

## 83 Chemical Science and Technology Laboratory continued

837 Surface and Microanalysis Science Division					838 Thermophysics Division									
Bldg	Room	Mail	Ext		Bldg	Room	Mail	Ext						
	Chief	Dr. R.A. Velapoldi	Chem	B362	B364	3917		Chief	Dr. R.F. Kayser	Phy	A109	A105	2483	
.01	Atmospheric Chemistry	Dr. L.A. Currie	Chem	B146	B364	3919	*	.01	Theory of Fluids	Dr. W.M. Haynes/Act/	2	1303	838.01	3247
.02	Microanalysis Research	Dr. D.E. Newbury	Chem	A115	A113	3921	*	.02	Properties of Fluids	Dr. W.M. Haynes	2	1303	838.02	3247
.03	Surface Dynamical Processes	Dr. R. Cavanagh	Phy	B52	Chem	2368		.03	Fluid Science	Dr. M.R. Moldover	Phy	A103	A105	2459
.04	Surface Spectroscopies and Standards	Dr. C. Powell	Chem	B250	B248	2534		.04	Pressure	Dr. C.D. Ehrlich	Met	A45	A55	4834
								.05	Vacuum	Dr. C.R. Tilford	Met	A51	A55	4828
								.06	Subsecond Thermophysics	Dr. A. Cezairliyan	Haz	124	124	5931

## 84 Physics Laboratory

Physics Laboratory															
Bldg	Room	Mail	Ext		Bldg	Room	Mail	Ext							
<b>840 Physics Laboratory Office</b>	Director	Dr. K.B. Gebbie	Phy	B160	B160	4201		.01	X-Ray Spectroscopy	Dr. R.D. Deslattes	Phy	A151	A141	4841	
	Secretary	Mrs. E.L. King	Phy	B160	B160	4200		.02	Synchrotron X-Ray Physics	Dr. R.D. Deslattes	Phy	A151	A141	4841	
	Deputy Director	Dr. W.R. Ott	Phy	B160	B160	4202		<b>846 Ionizing Radiation Division</b>	Chief	Dr. R.S. Caswell	RadP	C208	C210	5525	
	Secretary	Mrs. A.K. Sweigert	Phy	B160	B160	4203		.01	Radiation Measurements	Dr. B.M. Coursey/Act/	RadP	C212	C214	5584	
	Executive Officer	Mrs. J.S. Hasty	Phy	B152	B160	4212		.02	Radiation Interactions and Dosimetry	Dr. B.M. Coursey	RadP	C212	C214	5584	
	Administrative Officers:							.03	Neutron Interactions and Dosimetry	Dr. J.A. Grundl	React	A157	A106	6201	
	840, 841, 842	Mrs. K.A. Ayers	Phy	B150	B160	4210		.04	Radioactivity	Dr. D.D. Hoppes	RadP	C118	C114	5532	
	843	Mrs. E.I. Houston	Phy	B146	B160	4209		<b>847 Time and Frequency Division</b>	Chief	Dr. D.B. Sullivan	1	4036	847.00	3772	
	844, 845	Mrs. K.J. Combs	Phy	B148	B160	4211		*	Fl. Collins Station	Mr. J.C. Maxton	FLC.	—	847.00	3914	
	846	Mrs. M.A. DeWese	RadP	C227	C229	6095			Hawaii Station	Mr. N. Hironaki	(808)	335 -	4361		
*	847	Mr. J.A. Wessels	1	4043	847.00	5634		*	.10	Ion Storage	Dr. D.J. Wineland	1	2033	847.10	5286
*	848	Mr. W.P. McInerney	JILA	A229	848.00	3636		*	.20	Atomic Beam Standards	Dr. R. Drullinger	1	3536	847.20	3183
	<b>841 Electron and Optical Physics Division</b>	Chief	Dr. C.W. Clark	Met	B208	B206	3709	*	.30	Phase Noise Measurements	Dr. F.L. Walls	1	4041	847.30	3207
.01	Photon Physics	Dr. T.B. Lucatorto	Phy	A243	A251	3734		*	.40	Time and Frequency Services	Mr. D.W. Hanson	1	4016	847.40	5233
.02	Far UV Physics	Dr. R.P. Madden	Phy	A249	A251	3726		*	.50	Time Scale and Coordination	Mr. D.W. Allan	1	4034	847.50	5637
.03	Electron Physics	Dr. R.J. Celotta	Met	B210	B206	3710		*	.60	Laser Spectroscopy	Dr. K.M. Evenson	1	3531	847.60	5129
<b>842 Atomic Physics Division</b>	Chief	Dr. W.L. Wiese	Phy	A265	A267	3200		*	.70	Geophysical Measurements	Dr. J. Levine	JILA	A503	847.70	3903
.01	Atomic Spectroscopy	Dr. W.C. Martin	Phy	A165	A167	3213		*	.80	Optical Frequency Measurements	Dr. L. Holberg	1	3532	847.80	5770
.02	Atomic Radiation Data	Dr. Y.K. Kim	Phy	A261	A267	3203		<b>848 Quantum Physics Division</b>	Chief	Dr. D.W. Norcross	JILA	A231	848.00	6807	
.03	Plasma Radiation	Dr. J.R. Roberts	Phy	A161	A167	3225		*	.01	Fundamental and Precision Measurements	Dr. D.W. Norcross	JILA	A231	848.00	6807
.04	Laser Cooled and Trapped Atoms	Dr. W.D. Phillips	Phy	B153	A167	6554		*	.02	Chemical Physics	Dr. D.W. Norcross	JILA	A231	848.00	6807
<b>843 Molecular Physics Division</b>	Chief	Dr. A. Weber	Phy	B264	B268	2377		*	.03	Atomic and Molecular Collisions	Dr. D.W. Norcross	JILA	A231	848.00	6807
.01	High Resolution Spectroscopy	Dr. A. Weber	Phy	B264	B268	2377		*	.04	Astrophysics Measurements	Dr. D.W. Norcross	JILA	A231	848.00	6807
.02	Molecular Dynamics	Dr. A. Weber	Phy	B264	B268	2377		<b>849 Radiation Source and Instrumentation Division</b>	Chief	Vacant	Phy	B160	B160	4202	
.03	Molecular Theory	Dr. A. Weber	Phy	B264	B268	2377		.01	Accelerator Research	Vacant	Phy	B160	B160	4202	
<b>844 Radiometric Physics Division</b>	Chief	Dr. A.C. Parr	Met	B304	B306	3739		.02	Free-Electron Laser Development	Vacant	Phy	B160	B160	4202	
.01	Spectral Radiometry	Dr. A.C. Parr	Met	B304	B306	3739		.03	Electronics Instrumentation	Vacant	Phy	B160	B160	4202	
.02	Spectrophotometry	Dr. J.J. Hsia	Met	A309	B306	2342		.04	Mechanical Instrumentation	Vacant	Phy	B160	B160	4202	
.03	Thermal Radiometry	Mr. R.D. Saunders	Phy	A215	A221	2355									
<b>845 Quantum Metrology Division</b>	Chief	Dr. R.D. Deslattes	Phy	A151	A141	4841									

## 85 Materials Science and Engineering Laboratory

Materials Science and Engineering Laboratory														
Bldg	Room	Mail	Ext		Bldg	Room	Mail	Ext						
<b>850 Materials Science and Engineering Laboratory Office</b>	Director	Dr. L.H. Schwartz	Mats	B304	B309	5658		852	Ms. W.F. Capino	Mats	A251	A256	6125	
	Secretary	Mrs. L.L. Leaman	Mats	B310	B309	5658		*	853	Ms. K.S. Sherlock	2	1605	853.00	3288
	Deputy Director	Dr. H.L. Rook	Mats	B314	B309	5658		854	Ms. S.C. Lightbody	Poly	A313	A309	6764	
	Secretary	Ms. K.L. Barkley	Mats	B310	B309	5658		855	Mrs. M.L. Stusser	Mats	B262	B261	5962	
	Scientific Advisors to the Director:	Dr. D.B. Butrymowicz	Mats	B316	B309	5656		856	Mrs. E.C. Maxwell	React	A106	A106	6211	
		Dr. J.G. Early	Mats	A311	B309	6113		<b>851 Office of Nondestructive Evaluation</b>	Chief	Dr. H.T. Yolken	Mats	B348	B344	5727
		Mr. S.J. Schneider	Mats	B318	B309	5657		<b>852 Ceramics Division</b>	Chief	Dr. S.M. Hsu	Mats	A257	A256	6119
	Executive Officer	Mr. P.M. Fleming	Mats	A303	A305	5653		.01	Powder Synthesis and Characterization	Dr. S. Malghan	Mats	A211	A256	6101
	Administrative Officers:							.02	Mechanical Properties	Dr. J.A. Carpenter/Act/	Mats	A261	A256	5736
	850	Mrs. D.J. Anderson	Mats	A307	A305	5654		.03	Tribology	Dr. S. Jahangir	Met	A215	A215	3671
	851	Mrs. P.L. Salpino	Mats	B340	B344	5731		.04	Electronic Materials	Dr. S.W. Freiman	Mats	A217	A256	5761



## 85 Materials Science and Engineering Laboratory continued

		Bldg	Room	Mail	Ext
.05 Optical Materials	Dr. A. Feldman	Matts	B328	A329	5740
.06 Materials Microstructural Characterization	Dr. G. Long	Matts	A161	A163	5975
<b>853 Materials Reliability Division</b>					
* Chief	Dr. H.I. McHenry	2	1601A	853.00	3268
* .01 Cryogenic Materials	Dr. H.I. McHenry/Act/	2	1601A	853.00	3268
* .02 Nondestructive Evaluation	Dr. A.V. Clark	2	2603	853.00	3159
* .03 Welding	Dr. T.A. Siewert	2	1609	853.00	3523
<b>854 Polymers Division</b>					
Chief	Dr. L.E. Smith	Poly	A303	A309	6762
.01 Specialty Polymers	Dr. G.T. Davis	Poly	B322	B320	6725
.02 Chemical Performance	Dr. F.W. Wang	Poly	B318	B320	6726
.03 Mechanical Performance	Dr. B.M. Fanconi	Poly	A311	A309	6770
.04 Polymer Composites	Dr. D.L. Hunston	Poly	A207	A209	6838
.05 Polymer Blends and Solutions	Dr. C.C. Han	Poly	B208	B210	6771
.06 Dental and Medical Materials	Dr. J.A. Tesk	Poly	A145	A143	6801

### 855 Metallurgy Division

		Bldg	Room	Mail	Ext
Chief	Dr. E.N. Pugh	Matts	B268	B261	5960
.01 Magnetic Materials	Dr. L.H. Bennett	Matts	B154	B152	5966
.02 Metallurgical Processing	Dr. J.R. Manning	Matts	A149	A153	6157
.03 High-Temperature Materials Chemistry	Dr. J.W. Hastie	Matts	B108	B106	5754
.04 Mechanical Properties and Performance	Dr. L. Mordfin	Matts	B142	B144	6168
.05 Corrosion	Dr. R.E. Ricker	Matts	B252	B254	6023
.06 Electrodeposition	Dr. D.S. Lashmore	Poly	B164	B166	6405
.07 Metallurgical Sensing and Modeling	Dr. H.T. Yolken/Act/	Matts	A165	A163	6140
<b>856 Reactor Radiation Division</b>					
Chief	Dr. J.M. Rowe	React	A104	A106	6210
.01 Reactor Operations and Engineering	Mr. T.M. Raby	React	A148	A141	6257
.02 Neutron-Condensed Matter Science	Dr. J.J. Rush	React	E101	E151	6231
.03 Cold Neutron Project	Dr. J.M. Rowe	React	A104	A106	6210

## 86 Building and Fire Research Laboratory

		Bldg	Room	Mail	Ext
<b>Building and Fire Research Laboratory</b>					
<b>860 Building and Fire Research Laboratory Office</b>					
Director	Dr. R.N. Wright	BR	B222	B216	5900
Secretary	Mrs. E.G. Crum	BR	B218	B216	5900
Deputy Director	Dr. J.E. Snell	BR	B212	B216	6850
Secretary	Mrs. D.M. Cramer	BR	B216	B216	6850
Assistant Director	Mr. J.G. Gross	BR	B256	B250	5903
Secretary	Mrs. C.L. Flood	BR	B252	B250	5900
Executive Officer	Mrs. K.H. Stewart	BR	B210	B206	6856
Administrative Officers:					
860, 861, 865	Mrs. P.B. Kaetzel	BR	B204	B206	5911
862, 863	Mrs. K.B. Perry	BR	B206	B206	5910
864, Fire Grants	Ms. S.M. Cherry	BR	B208	B206	6854
.99 Office, Technology Transfer	Mr. R.W. Bukowski	BR	B248	B250	6853
Secretary	Mrs. R.D. Dorsey	BR	B250	B250	6852
<b>861 Structures Division</b>					
Chief	Dr. H.S. Lew	BR	B170	B168	6061
.03 Structural Evaluation	Mr. R. Dikkers	BR	B164	B168	5863
.06 Earthquake Engineering	Dr. H.S. Lew/Act/	BR	B170	B168	6061
<b>862 Building Materials Division</b>					
Chief	Dr. G.J. Frohnsdorff	BR	B370	B368	6706
.01 Organic Building Materials	Mr. L.W. Masters	BR	B346	B348	6707
.02 Inorganic Building Materials	Dr. J.R. Clifton	BR	B350	B348	6707

		Bldg	Room	Mail	Ext
.04 Construction Materials Reference Laboratories	Mr. J.H. Pielert	BR	A367	A365	6704

### 863 Building Environment Division

		Bldg	Room	Mail	Ext
Chief	Dr. J.E. Hill	BR	B304	B306	5851
.01 Thermal Machinery	Dr. D.A. Didion	BR	B116	B114	5881
.02 Mechanical Systems and Controls	Dr. G.E. Kelly	BR	B112	B114	5870
.04 Heat Transfer	Dr. A.H. Fanney	BR	B322	B320	5864
.05 Computer Integrated Construction	Dr. K.A. Reed	BR	B308	B306	5852
.06 Indoor Air Quality and Ventilation	Dr. A.K. Persily	BR	A315	A313	6431
.07 Lighting	Dr. B.L. Collins	BR	A311	A313	6456

### 864 Fire Science and Engineering Division

		Bldg	Room	Mail	Ext
Chief	Dr. A. Fowell	Poly	B248	B250	6863
Fire Safety Engineering Team	Mr. H.E. Nelson	BR	B260	B250	6869
.03 Building Fire Physics	Dr. J.H. Klotz	Poly	B354	B356	6879
.04 Combustion and Flammability	Dr. T. Kashiwagi	Poly	B256	B258	6693
.05 Fire Dynamics	Dr. H.E. Miller	Poly	A343	A345	6899
<b>865 Fire Measurement and Research Division</b>					
Chief	Dr. R.G. Gann	Poly	B254	B250	6864
.01 Smoke Dynamics Research	Dr. W.M. Pitts	Poly	B126	B258	6693
.02 Fire Toxicity Measurement	Dr. V. Babrauskas	Poly	B365	B363	6679
.06 Fire Hazard Analysis	Dr. W.W. Jones/Act/	Poly	B358	B356	6879
.07 Fire Suppression Research	Dr. D.D. Evans	Poly	A347	A345	6899

## 87 Computer Systems Laboratory

		Bldg	Room	Mail	Ext
<b>Computer Systems Laboratory</b>					
<b>870 Computer Systems Laboratory Office</b>					
Director	Mr. J.H. Burrows	Tech	B158	B154	2822
Secretary	Mrs. J.F. Frye	Tech	B156	B154	2819
Associate Director for Computer Security	Mr. F.L. McNulty	Tech	B152	B154	3241
Secretary	Mrs. A.D. Carlton	Tech	B154	B154	3240
Voluntary Standards Liaison	Mr. R. Rountree	Tech	B168	B166	2827
Secretary	Ms. D.J. Wuhrman	Tech	B166	B166	2826
Program Coordination and Support	Mrs. S. Radack	Tech	B155	B151	2833
Secretary	Mrs. R. Roach	Tech	B151	B151	3587
Standards Processing Coordinator (ADP)	Mrs. B.L. Blickenstaff	Tech	B64	B64	2816
Senior Management Advisor	Mrs. J.L. Lyons	Tech	B162	B166	2823
Secretary	Ms. C.M. Barnes	Tech	B164	B166	2824

		Bldg	Room	Mail	Ext
Administrative Officers:					
870	Mrs. T.O. Greene	Tech	B161	B166	2835
871, 872, 873	Mrs. W.J. Andrew	Tech	A247	A248	3242
874, 875	Mrs. D.H. Wynne	Tech	A226	A224	2905
<b>871 Information Systems Engineering Division</b>					
Chief	Dr. D.K. Jefferson	Tech	A259	A266	3262
.02 Database and Graphics	Mr. J.C. Collica	Tech	A245	A266	3263
.03 Data Administration	Mr. B.K. Rosen	Tech	A263	A266	3246
.04 Graphics Software	Mr. M.W. Skall	Tech	A255	A266	3265
.05 Software Standards Validation	Mr. L.A. Johnson	Tech	A267	A266	3274
<b>872 Systems and Software Technology Division</b>					
Chief	Mr. A.L. Hankinson	Tech	B264	B266	3290
.07 Software Engineering	Mr. R.J. Martin	Tech	B250	B266	3295
.08 Office Systems Engineering	Mr. L.A. Welsch	Tech	B254	B266	3345

## 87 Computer Systems Laboratory continued

	Chief	Room	Mail	Ext.		Chief	Room	Mail	Ext.		
<b>873 Computer Security Division</b>											
Chief	Dr. S.W. Kazke	Tech	A221	A216	2934	.04 Automated Protocol Methods	Mr. K.L. Mills/Act/	Tech	B218	B217	3618
.10 Computer Security Management and Evaluation	Mr. D.D. Steinauer	Tech	A253	A216	3359	.05 Network Management	Mrs. F. Nielsen	Tech	B214	B217	3669
.11 Security Technology	Mr. M.E. Smid	Tech	A211	A216	2938	.06 Network Protocols	Mr. R.P. Colella	Tech	B210	B217	3627
.12 Protocol Security	Mr. R. Rosenthal	Tech	A249	A216	3603	<b>875 Advanced Systems Division</b>					
.13 Computer Security Planning and Assistance	Mr. E.F. Troy	Poly	A243	A241	3361	Chief	Dr. S. Wakid	Tech	A231	A224	2904
<b>874 Systems and Network Architecture Division</b>						.08 Speech Recognition	Dr. D. Pallett	Tech	B240	A216	2935
Chief	Mr. K.L. Mills	Tech	B218	B217	3618	.09 Parallel Processing	Mr. R.J. Carpenter	Matts	B356	B364	5677
.03 Network Applications	Mr. G. Mulvenna	Tech	B224	B217	3631	.10 Data Storage	Mr. D. Grubb	Tech	A59	A61	2915
						.11 Distributed Systems	Mr. W. McCoy	Tech	A207	A216	2984
						.12 Image Recognition	Dr. C.L. Wilson	Tech	A213	A216	2080
						.13 Advanced Communications	Mr. D. Su	Matts	B360	B364	6194

## 88 Computing and Applied Mathematics Laboratory

### Computing and Applied Mathematics Laboratory

#### 880 Computing and Applied Mathematics Laboratory Office

	Director	Room	Mail	Ext.	
Director	Dr. F.E. Sullivan	Tech	B116	B112	2732
Secretary	Mrs. L.L. Ware	Tech	B112	B112	2728
Deputy Director	Dr. J.R. Rosenblatt	Tech	B110	B112	2733
Secretary	Mrs. S.L. Bailey	Tech	B112	B112	2729
Executive Officer	Ms. L.S. Umberger	Tech	B106	B112	2731
Administrative Officers:					
881	Mrs. D.J. Hamilton	Tech	A106	B112	4072
882, 886	Mrs. E.I. Van Lowe	Tech	A106	B112	2191
883, 884	Ms. A.L. Scott	Tech	B105	B112	2736
885	Mrs. P.A. Davis	Tech	B105	B112	2735
* .01 Assistant Director for Boulder	Dr. J.A. Brown	1	4055	880.00	3020
* Administrative Support Assistant	Ms. Y.M. DiCarlo	1	4061	880.00	5302
.02 Associate Director for Computing	Dr. F.C. Johnson	Tech	B124	B122	2700
Secretary	Mrs. E.M. Wood	Tech	B122	B122	2700
.03 Assistant Director for Management Information Technology	Dr. A.H. Sher	Admin	A739	A738	4044
Secretary	Ms. F.V. Michel	Admin	A738	A738	4044
.04 Office of Applied Economics	Dr. H. Marshall	Admin	A413	A415	6131
<b>881 Applied and Computational Mathematics Division</b>					
Chief	Dr. P.T. Boggs	Admin	A239	A238	3800
.01 Mathematical Modeling and Software-Gaithersburg	Dr. J.L. Blue	Admin	A237	A238	3809
* .02 Mathematical Modeling and Software-Boulder	Dr. J.M. Gary	1	4059	881.00	3369
.03 Microprocessor	Dr. D.K. Kahaner/Act/	Admin	A240	A238	3808
.04 Numerical Optimization	Dr. P.T. Boggs	Admin	A239	A238	3800
<b>882 Statistical Engineering Division</b>					
Chief	Dr. R.J. Lundegard	Admin	A335	A337	2839
* .01 Statistical Engineering-Boulder	Dr. D.F. Vecchia	1	4051	882.00	5356

#### 883 Scientific Computing Environments Division

	Chief	Room	Mail	Ext.	
Chief	Dr. S.E. Howe	Tech	B144	B146	3801
.01 User and Software Support	Dr. S.E. Howe/Act/	Tech	B144	B146	3801
.02 Advanced Distributed Computing Systems	Mr. R.J. Crosson	Tech	B140	B146	3832
.03 Scientific Visualization	Dr. H.A. Fowler	Tech	B142	B146	2703

#### 884 Computer Services Division

	Chief	Room	Mail	Ext.	
Chief	Mr. M.R. Shaver	Admin	A301	A302	2874
* Assistant Chief for Boulder Operations	Mr. R. Wang	1	4561	884.00	3361
.01 Gaithersburg Operations	Mr. P.M. Johnson	Tech	A27	A27	2962
.02 Communications and Engineering	Mr. J.L. Newmeyer	Tech	A31	A27	2966
.03 Scientific Systems Software	Mr. J.A. Coffey	Tech	A13	A27	2960
.04 Technical Services	Mr. G.A. Dines	Admin	A303	A302	2898
* .05 User Service and Systems Support-Boulder	Ms. M.E. McClanahan	1	4563	884.00	5172

#### 885 Computer Systems and Communications Division

	Chief	Room	Mail	Ext.	
Chief	Mr. S. White	Tech	A151	A151	3824
.01 Network Engineering-Gaithersburg	Mr. C.W. Hunt	Tech	A155	A151	3827
.02 Telecommunications-Gaithersburg	Mr. L. Loveland	Admin	B03	B03	3320
* .03 Network Engineering-Boulder	Mr. F.M. Maish	1	3566	885.00	5670
* .04 Telecommunications-Boulder	Mrs. J.V. Sorg	1	4057	885.00	5464

#### 886 Information Systems Division

	Chief	Room	Mail	Ext.	
Chief	Ms. P.B. Saunders	Admin	A740	A738	4044
.01 PC Assistance and Maintenance	Ms. P.B. Saunders	Admin	A739	A738	4044
.02 User Information and Database	Mr. R. Lee	Admin	A726	A738	4061
.03 Systems Design and Programming	Mr. G.B. Gipe	Admin	A729	A738	4066

### Gaithersburg, Maryland 20899

TELEPHONE: FTS-Dial 8, Wait for Second Dial Tone,  
Dial 879 Plus Extension  
Commercial-Dial 301-975-Plus Extension  
FAX: Commercial-(301) 975-2128 or FTS: 879-2128  
TELEX: 197674 NIST UT  
Directory Assistance Dial - Operator

SERVICES: Alumni Office x2732  
Barber Shop x3311  
Beauty Shop x3312  
Child Care x2152  
COMSTAR CU x3700  
Loan Office x3704  
Signet Bank x2999

**EMERGENCY x2222**

### Boulder, Colorado 80303

TELEPHONE: FTS-Dial 8, Wait for Second Dial Tone,  
Dial 320 Plus Extension  
Commercial-Dial 303-497-Plus Extension  
FAX: Commercial-(303) 497-5523 or FTS: 320-5523  
TELEX: 45897

For questions regarding the Wall Chart, call the Management and Organization Division on extension 4062.