

Memorandum L-29

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Digital Computer Laboratory
 Massachusetts Institute of Technology
 Cambridge, Massachusetts

SUBJECT: A BREAKDOWN OF VISITS TO PROJECT WHIRLWIND BY EDUCATIONAL INSTITUTIONS, INDUSTRIES, AND GOVERNMENT DEPARTMENTS FROM SEPTEMBER 1, 1950 TO SEPTEMBER 1, 1951

Date: September 28, 1951

The visitors to the Digital Computer Laboratory during the last year have been tabulated in categories giving the following summary with details on the following pages.

	No. of Institutions, Companies, and Agencies or Projects	No. of Visits		No. of Visitors	
	Sub- total	Sub- total	Sub- total	Sub- total	Sub- total
I. EDUCATIONAL INSTITUTIONS					
1. NOT INCLUDING MIT	34	65	94		
2. MIT	<u>1</u> 35	<u>182</u> 247	<u>441</u> 535		
II. FOREIGN COUNTRIES	<u>23</u> 23	<u>58</u> 58	<u>93</u> 93		
III. INDUSTRIES					
1. AIRCRAFT	8	17	19		
2. PETROLEUM	11	20	28		
3. LIFE INSURANCE	4	6	11		
4. PUBLISHERS	5	5	6		
5. BUILT OR PLANNED COMPUTERS AND/ OR INFORMATION HANDLING SYSTEMS	17	84	165		
6. MANUFACTURE AND DEVELOPMENT OF COMPONENTS AND EQUIPMENT WITH POSSIBLE APPLICATION IN COMPUTERS, ELECTRONIC EQUIPMENT	22	51	75		
7. RESEARCH ORGANIZATIONS AND CONSULTANTS (Not necessarily in computer or related fields.)	9	15	24		
8. CHEMICAL, RUBBER, & GLASS COMPANIES	8	12	14		
9. OTHERS	<u>12</u> 106	<u>16</u> 226	<u>23</u> 365		

	No. of Institutions, Companies, and Agencies or Projects	No. of Visits	No. of Visitors
	Sub- total	Sub- total	Sub- totals
IV. GOVERNMENT DEPARTMENTS			
1. DEPARTMENT OF DEFENSE	3	6	11
2. DEPARTMENT OF THE ARMY	5	14	22
3. DEPARTMENT OF THE NAVY	10	51	136
4. DEPARTMENT OF THE AIR FORCE	12	117	229
5. OTHERS	<u>9</u> 39	<u>21</u> 209	<u>29</u> 365
TOTAL OF EDUCATIONAL, FOREIGN, INDUSTRIAL AND GOVERNMENT VISITORS			1358
V. VISITED LABORATORY REPRESENTING SELF			670
VI. VISITED LABORATORY FOR SALES, CONSTRUCTION, MAINTENANCE, AND SERVICES NECESSARY FOR OPERATION			<u>835</u>
TOTAL VISITORS			2863

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I. BREAKDOWN OF VISITS BY COLLEGES

	No. of Visits	No. of Visitors
Boston University	1	1
City College of New York	1	1
Columbia University	2	3
Cornell University & Aero. Laboratory	5	7
Dartmouth College	2	2
George Washington University	2	4
Georgia Tech	1	1
Harvard University	14	25
Johns Hopkins University	3	4
Military College of Science (England)	1	1
New York University	1	1
Northeastern	1	1
Ohio State University	1	1
Penn. State	1	2
Princeton	1	1
Royal Institute of Technology (Stockholm)	1	1
Stanford	1	1
Technical University of Copenhagen	1	1
Union College	1	1
University of Aberdeen	1	1
University of California	1	2
University of Chicago	1	1
University of Florida	1	1
University of Illinois	5	9
University of Manchester(England)	2	2
University of Maryland	1	1
University of Michigan & Willow Run Research Center	5	9
University of Minnesota	1	1
University of Missouri	1	2

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COLLEGES (cont'd)	No. of Visits	No. of Visitors
University of Pennsylvania	1	1
University of St. Andrews (Scotland)	1	2
University of Tokyo	1	1
University of Virginia	1	1
University of Washington	<u>1</u>	<u>1</u>
Total 34	65	94

II. BREAKDOWN OF VISITORS BY COUNTRIES

Australia	1	1
Austria	1	2
Belgium	1	3
Canada	9	10
Denmark	3	5
Great Britain	12	17
Finland	1	2
France	4	10
Germany	2	3
Greece	1	2
India	1	2
Indonesia	1	1
Israel	1	4
Italy	2	6
Japan	4	6
Malaya	3	4
Netherlands	3	4
New Zealand	1	1
Norway	1	1
Scotland	1	2
South Africa	2	3
Sweden	2	3
Turkey	<u>1</u>	<u>1</u>
Total 23	58	93

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No. of Visits No. of Visitors

III. BREAKDOWN OF VISITS BY INDUSTRIES1. AIRCRAFT INDUSTRY

Bell Aircraft	2	3
Bendix Aviation	1	1
Boeing Aircraft	2	2
Douglas Aircraft	2	2
Hughes Aircraft	3	3
Link Aviation	1	1
Northrop Aircraft	2	3
North American	<u>4</u>	<u>4</u>
Total 8	17	19

2. PETROLEUM INDUSTRY

Atlantic Refining Company	1	2
Carter Oil Company	1	1
Continental Oil Company	1	2
Humble Oil Company	3	4
Imperial Oil Ltd.	1	1
Magnolia Petroleum Company	4	4
Pure Oil Company	1	1
Shell Development Company	1	2
Socony-Vacuum Oil Company	2	2
Standard Oil Company	2	4
Texas Oil Company	<u>3</u>	<u>5</u>
Total 11	20	28

3. LIFE INSURANCE COMPANIES

John Hancock Life Insurance Company	3	8
Liberty Mutual Insurance Company	1	1
Mutual Life Insurance Company	1	1
New York Life Insurance Company	<u>1</u>	<u>1</u>
Total 4	6	11

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	No. of Visits	No. of Visitors
4. <u>PUBLISHERS</u>		
McGraw-Hill	1	1
Newsweek	1	1
Prentice-Hall	1	1
Saturday Evening Post	1	1
J. Wiley	<u>1</u>	<u>2</u>
Total 5	5	6
5. <u>COMPANIES HAVING BUILT OR PLANNED</u> <u>COMPUTERS AND/OR INFORMATION</u> <u>HANDLING SYSTEMS</u>		
American Telephone and Telegraph		
Company	1	1
Bell Telephone Labs	9	14
Burroughs	11	12
Collins Radio Company	2	8
Computer Research Corporation	1	2
Eastman Kodak Company	4	7
Eckert-Mauchly Computer Corporation	2	3
ERA	4	7
Federal Telephone Labs	2	3
General Electric	8	17
IBM	12	32
RCA	9	14
Raytheon	13	36
Reeves Instrument Corporation	1	2
Remington Rand	1	1
Sperry Gyroscope Company	3	5
Western Electric Company	<u>1</u>	<u>1</u>
Total 17	84	165

	No. of Visits	No. of Visitors
6. <u>MANUFACTURE AND DEVELOPMENT OF</u>		
<u>COMPONENTS AND EQUIPMENT WITH</u>		
<u>POSSIBLE APPLICATIONS IN COMPUTERS,</u>		
<u>ELECTRONIC EQUIPMENT</u>		
A. B. Du Mont	15	23
Admiral Corporation	2	3
Alden Products Company	2	2
Armco Steel Company	1	1
Brown Instrument Division	1	1
Capehart-Farnsworth	1	1
Computing Devices of Canada	2	2
Ferranti	1	1
General Radio	1	1
Glenco	1	1
Magnetic Amplifiers Inc.	2	4
Melpar Inc.	1	1
Minnesota Mining and Mfg.	1	1
M. W. Kellogg	3	4
National Tube Company	1	3
Philco	3	3
Sprague Electric Company	1	1
Superior Tube Company	2	2
Sylvania	5	10
Transducer	3	6
Ultrasonic Corporation	1	1
Westinghouse	<u>1</u>	<u>1</u>
Total 22	51	75

	No. of Visits	No. of Visitors
7. <u>RESEARCH ORGANIZATIONS AND CONSULTANTS</u>		
(Not necessarily in computer or related fields)		
A. D. Little	1	2
Airborne Instrument Laboratory	4	6
Armour Research Foundation	1	1
Battelle Memorial Institute	1	1
Brookhaven Laboratories	1	1
California Research Corporation	2	2
Ernst and Ernst	1	2
Mechanical Engineering Research Corporation	1	1
Mellon Institute	1	3
National Research Laboratory	2	3
Rand Corporation	<u>4</u>	<u>8</u>
Total 9	15	24
8. <u>CHEMICAL, RUBBER, & GLASS COMPANIES</u>		
American Chemical Society	1	1
Carbide & Carbon Chemical Division	1	1
Corning Glass Company	2	2
Dow Chemical Company	1	1
DuPont Company	3	3
Goodyear Tire & Rubber Company	2	2
Lever Brothers	1	1
Pittsburg Plate Glass	<u>1</u>	<u>1</u>
Total 8	12	14

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	No. of Visits	No. of Visitors
9. <u>OTHERS</u>		
American Brass	1	1
Anaconda Copper Company	1	1
Bata Shoe Company (Canada)	1	2
Continental Motors Corporation	2	2
deFlorez Company	2	2
General Mills	1	1
General Motors	2	2
Hotel Statler	1	2
Interliecton	1	4
Polaroid	2	3
Sandia Corporation	1	1
Stone and Webster	<u>1</u>	<u>1</u>
Total 12	16	23

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	No. of Visits	No. of Visitors
<u>IV. BREAKDOWN OF VISITS BY GOVERNMENT DEPARTMENTS, BUREAUS, AND AGENCIES</u>		
<u>1. DEPARTMENT OF DEFENSE</u>		
Research & Development Board	2	3
WSEG	3	7
Location or assignment not specified	<u>1</u>	<u>1</u>
Total 3	6	11
<u>2. DEPARTMENT OF THE ARMY</u>		
Aberdeen Proving Ground	2	4
BRL APG	1	1
Evans Signal Corps Laboratories	2	2
Signal Corps	2	4
Location or assignment not specified	<u>7</u>	<u>11</u>
Total 5	14	22
<u>3. DEPARTMENT OF THE NAVY</u>		
Bureau of Ordnance	1	1
Bureau of Ships	2	3
Bureau of Supplies & Accounts	1	7
NAMTC - Pt. Mugu	1	2
Naval Ordnance Test Station	1	1
Naval Reserve	1	44
O.E.G.	4	5
ONR	31	60
Underwater Sound Lab	2	3
Location or assignment not specified	<u>7</u>	<u>10</u>
Total 10	51	136

	No. of Visits	No. of Visitors
4. <u>DEPARTMENT OF THE AIR FORCE</u>		
Air Defense Command	1	4
AFCRL	55	93
AFMTC	1	1
Long Range Proving Ground	2	2
Project Charles	8	36
Project Lincoln	1	1
USAF - AMC	1	2
USAF - Research Center	6	9
Watson Laboratories	4	7
WADC	2	5
Wright-Patterson Airforce Base	1	1
Location or assignment not specified	<u>35</u>	<u>68</u>
Total 12	117	229
5. <u>OTHERS</u>		
Armed Forces Security Agency	1	2
ANDB	1	1
ARAACOM	1	1
CONAC	1	1
FBI	4	4
GAC	1	1
Military Intelligence	1	1
National Bureau of Standards	10	17
Veterans Administration	<u>1</u>	<u>1</u>
Total 9	21	29