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A Bibliography

Compiled by
Mabel H. Eller
and
Jack Weiner

Edited by
Barton Bledsoe

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Prepared for the
Office of Naval Research
under contract NAonr 13-47

Washington
July
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CONTENTS

Preface	v
Bibliography	1
Subject index	151

PREFACE

This bibliography has been prepared at the request of the Manpower Branch, Human Resources Division, Office of Naval Research, as a task under contract NAonr 13-47.

Purpose and scope

The bibliography includes significant literature on the subject of scientific personnel published during the period 1930 and 1948 inclusive. It is intended to provide a practical working bibliography for the use of personnel officers, administrators of research, and others interested in the subject matter.

The term scientific personnel has been taken to include the members of those professions making creative use of scientific principles; briefly and broadly, scientists and engineers. It has not been taken to include technicians, sub-professionals, or those engaged in the healing arts, such as medicine. The material is concerned chiefly with such subjects as the education, training, and employment of the scientist or engineer, his characteristics and relations to society, personnel administration, and employer-employee relations.

In compiling the bibliography no attempt has been made to include all published material relating to scientific personnel, but only significant contributions appearing in publications available in the larger libraries in the United States. Foreign language material has been avoided, but many Canadian and British references have been included. Dr. Ralph M. Hogan of the office of Naval Research collaborated in the final selection of items to be included.

Sources searched

The principal abstract and index sources which have been searched are as follows:

Battelle Memorial Institute, Library Review 1949(Jan.-May)
Bibliographic Index 1938-1948
Consolidated Edison Co. of New York, Library Bulletin 1938-1948
Eastman Kodak Co., Monthly Abstract Bulletin 1938-1948
Education Index 1938-1948
Engineering Index 1930-1948
Industrial Arts Index 1930-1949
International Index to Periodical Literature 1938-1948
Journal of Chemical Education 1930-1948
Journal of Educational Research 1940-1948
Journal of Engineering Education 1930-1948
Psychological Abstracts 1930-1949(June)

Public Affairs Information Service, Bulletin 1936-1947
 Scientific Worker 1935-1948
 U. S. Monthly Catalogue of Public Documents 1929-1949(Sept.)

In addition material has been found in the libraries listed below, except those in New York City. The symbol opposite each source is that used in the text to indicate the location of the publication when no Library of Congress call number is available.

Army Medical Library	DSG
Civil Service Library	CSL
Department of Agriculture	DA
Engineering Societies Library, New York	NNE
Geological Survey	DGS
Library of Congress	
Government Publication Reading Room	GPRR
Law Library	LAW
Periodical Reading Room	PER
National Bureau of Standards	DBS
National Research Council	DNRC
New York Public Library	NN
Office of Education	DE
Office of Naval Research	ONR
Patent Office	DP
Smithsonian Institution, National Museum	DSI-M

Form of entry and arrangement

The bibliography is arranged alphabetically by author, with cross-references to authors other than the first. The normal form of entry is author, title, and journal, giving volume, pagination and date; or author, title, place of publication, publisher and year in the case of books and pamphlets. Journal titles are abbreviated in conformance with the List of Periodicals Abstracted by Chemical Abstracts, 1946; or if not listed therein, the titles given in the Union List of Serials are used, except for capitalization. The entry includes the Library of Congress call number, or a code indicating location of those publications for which a call number is not available.

The subject index

The bibliography is followed by a subject index. The latter is intended to indicate the principal subject matter of the reference as a whole using specific entries wherever feasible, but no attempt has been made to index each item in detail. In general, the emphasis has been on the specific professions, the members of the professions, and education for each profession. Because of the large volume of material, however, a more detailed breakdown has been made with respect to the following: chemical engineers, chemists, civil engineers, electrical engineers, engineers, mechanical engineers, metallurgists, mining engineers, physicists, and

scientists, and education for these professions. A number of cross-index entries have been used for related subjects, particularly from the general to the specific. It is suggested, however, that the user consult other related subjects, and the more general entries, for additional material.

Although the word "training" is frequently used in the literature as synonymous with "education", the term "training" as used in the subject index has been restricted to types of training other than formal education, such as on-the-job training, special war training, etc.

Acknowledgments

The compilers wish to acknowledge work done by the following during various stages of the task: Morris C. Leikind, Ivonne Lastra, Virginia E. Boteler, Ernest J. Ott and Clement R. Brown. Acknowledgments are also due Dr. Ralph M. Hogan for frequent advice on subject matters and for a careful review of some 3000 entries from which the final selection was made.

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Subject Index

- Ability tests see Aptitude tests; and the subdivision examinations under Chemical education; Electrical engineering education; Engineering education; Physics education
- Administration of research 248, 252, 437, 648, 723, 724, 776, 925, 934, 974, 983, 986, 1124, 1307, 1355, 1379, 1383, 1388, 1390, 1391, 1403, 1413, 1479, 1530, 1537, 1561, 1597, 1608, 1612, 1613, 1620, 1636, 1654, 1693
- industrial research 142, 158, 167, 363, 473, 512, 617, 643, 756, 764, 767, 813, 839, 840, 888, 1041, 1099, 1188, 1317, 1390, 1454, 1498, 1661, 1662, 1705, 1706, 1707, 1714
- Advisory Committee on Natural Scientists 739
- Advisory Committee on Scientific Personnel 727
- Aeronautical engineers 25, 1590
- Agricultural engineering 355, 409
- Agricultural engineering education 466, 576, 1136, 1376, 1639
- Agricultural engineers 199, 1577
- American Engineering Council 1727
- "American Men of Science" 53, 283, 289, 290, 1628, 1629, 1630, 1631, 1632, 1633, 1709, 1737
- American Society for Engineering Education 55
- American Society of Civil Engineers 571, 1452
- Analytical chemists 63, 64, 84, 323, 714, 1242
- Aptitude tests 150, 152, 190, 243, 706, 820
- chemistry 368, 428, 1184
- engineering 115, 151, 154, 164, 182, 183, 231, 336, 372, 438, 465, 693, 797, 831, 889, 920, 921, 949, 1000, 1001, 1029, 1063, 1332, 1333, 1336, 1337, 1398, 1406, 1444, 1451, 1624, 1724, 1746
- see also Engineering education - student selection; Engineers - selection of
- physics 944, 1495
- science 240, 372, 417, 429, 463, 533, 693, 1039, 1504, 1658, 1734, 1746
- see also Science Talent Search
- Bibliographers 16, 27, 1395
- Biochemical research 876
- Biological engineering 235, 355, 1524
- Biologists 695, 1128
- education 219, 229, 984
- Biology (as a profession) 984, 1326
- Biophysics (as a profession) 219, 1434
- Biotechnology see Biological engineering
- Botanists 313

Ceramic engineering 37, 1116
 Chemical education 42, 64, 102, 160, 216, 263, 302, 303, 656,
 714, 755, 774, 966, 973, 1067, 1132, 1135, 1184, 1252,
 1394, 1416, 1465, 1506, 1517, 1528, 1529
 Argentina 1389
 Australia 1205
 cooperative 722, 1411
 curricula 27, 91, 364, 373, 385, 578, 633, 908, 940, 1089,
 1302, 1493, 1518
 enrollments 39, 162
 examinations 81, 82, 83, 223, 262, 615, 761, 762, 763, 815,
 971, 1268, 1423, 1579
 Germany 1234
 graduate study 161, 972, 981, 1344
 Great Britain 218, 310, 311, 506, 684, 1185, 1187, 1234,
 1324, 1552, 1559
 objectives 67, 68, 72, 84, 195, 268, 474, 645, 936, 943,
 1176, 1518, 1540, 1670, 1681, 1701, 1738
 relation to industry 72, 1324
 trends 656
 undergraduate research 1416
 Chemical engineering 335, 1144, 1267
 Chemical engineering education 42, 51, 185, 331, 382, 730,
 897, 999, 1627, 1657, 1669
 analysis of graduates 1248
 Austria 1086
 cooperative 1253
 curricula 91, 106, 878, 1089, 1254, 1327, 1518, 1626
 enrollments 162, 304
 Europe 1255
 graduate study 226, 981
 Great Britain 379, 380, 652, 1255, 1264, 1584, 1665
 Japan 1617
 objectives 205, 226, 306, 898, 909, 1485, 1518, 1540,
 1625, 1718
 Russia 1382
 Chemical engineers 128, 298, 910, 1666
 Canada 1123, 1190
 characteristics 517, 1267
 see also Chemical engineers - qualifications
 collective bargaining (Canada) 989, 990, 991
 directories 86, 292
 economic status 26, 624, 627
 see also Chemical engineers - remuneration
 economic status (Canada) 307
 employment 624, 627, 650, 1585, 1728
 government service 1580
 Great Britain 652, 1665
 in World War II 1618
 labor relations 301, 1462
 see also Chemical engineers - unionization

ical engineers)
 occupational hazards 836, 1075
 opportunities 62, 225, 272, 997, 1149, 1150, 1151, 1177,
 1267, 1485, 1518
 see also Chemical engineers - specialization
 qualifications 95, 623, 883, 1267, 1700
 see also Chemical engineers - characteristics
 qualifications (Great Britain) 381
 remuneration 62, 493, 570, 593, 623, 1144, 1267, 1523, 1671
 safety training 836, 1075
 selection of 287
 specialization 225, 245, 1177, 1671
 see also Chemical engineers - opportunities
 supply and demand 301, 305, 734
 training 8, 91, 258, 260, 786, 1123, 1246, 1373, 1485
 training (Great Britain) 781, 1584
 unionization 909
 Chemical Institute of Canada 1190
 Chemical research 17, 18, 181, 617, 694
 Chemistry (as a profession) 7, 310, 335, 881, 1187
 Chemists 7, 128, 335, 591, 694, 881
 see also Analytical chemists
 Canada 1016, 1190
 characteristics 517, 805, 1223, 1392
 see also Chemists - qualifications
 collective bargaining 339
 collective bargaining (Canada) 989, 990, 991
 directories 86, 292
 economic status 26, 40, 494, 621, 622, 624, 627, 634, 1251
 see also Chemists - remuneration
 economic status (Canada) 307, 408
 employment 527, 624, 627, 633, 650, 1019, 1585, 1728
 ethics 236, 332, 646
 ethics (Australia) 96
 government service 309, 1038, 1292, 1319, 1592
 government service (Canada) 988
 Great Britain 309, 310, 369, 375, 884, 1185, 1187, 1251,
 1324, 1431, 1552
 in World War II 433, 1034, 1618
 industrial 308, 521, 937, 938, 1078, 1392, 1706
 labor relations 19, 41, 733, 754, 1012, 1173
 see also Chemists - collective bargaining; Chemists -
 unionization
 labor relations (Canada) 1469
 legal problems 41
 occupational hazards 259, 300, 1638
 opportunities 72, 118, 267, 272, 276, 308, 672, 798, 1156,
 1177, 1187, 1292, 1293, 1306, 1351, 1394, 1395, 1518,
 1522, 1531, 1641, 1721, 1731
 see also Chemists - specialization

(Chemists)

- professional status 7, 41, 622, 884, 1014, 1245, 1256, 1257, 1428, 1469, 1552, 1709
- qualifications 276, 474, 480, 645, 694, 738, 755, 868, 935, 936, 938, 965, 1412, 1428, 1681, 1701
 - see also Chemists - characteristics
- registration 705, 969, 1021, 1137, 1428, 1446, 1447
- remuneration 293, 309, 312, 570, 1074, 1293, 1523, 1696
- remuneration (Canada) 408
- remuneration (Great Britain) 369, 494, 1294
- safety training 259, 578, 1638
- selection of 368, 694, 1028
- specialization 129, 480, 622, 672, 768, 1177, 1187, 1522
 - see also Chemists - opportunities
- supply and demand 168, 214, 293, 299, 734, 742, 1112
- training 91, 195, 216, 376, 521, 908, 912, 1324, 1465
- training (Great Britain) 1185, 1553
- unionization 516, 909, 928, 1133, 1245
- women as 67, 276, 325, 376, 633, 672, 726, 755, 937, 938, 1068, 1394, 1427, 1506, 1696, 1720, 1721, 1731
- Civil engineering 804, 810, 850, 1712
- Civil engineering education 717, 834, 850, 1578, 1712
 - analysis of graduates 1275
 - curricula 12, 595, 600, 639, 715, 741, 1511, 1697
- Civil engineers
 - see also Highway engineers
 - economic status 571
 - see also Civil engineers - remuneration
 - government service 824, 1452
 - job classification 58, 59, 169, 824, 1457, 1539
 - labor relations 1463
 - opportunities 850, 1482, 1712
 - professional status 571
 - remuneration 56, 57, 58, 59, 169, 571, 686, 824, 1452, 1457
 - supply and demand 1578
 - training 365, 850
- Civil Service see Chemists - government service; Engineers - government service, etc.
- Collective bargaining see Chemical engineers - collective bargaining; Chemists - collective bargaining; Engineers - collective bargaining
- Construction engineering see Civil engineering
- Consulting engineers 4, 86, 87, 435, 1298
- Degrees 121, 304, 1110, 1466, 1487, 1488
 - graduate 43, 765, 802, 803, 1110, 1487, 1488
- Electrical engineering 811
- Electrical engineering education 402, 483, 567
 - see also Illuminating engineering education
 - analysis of graduates 577, 914

(Electrical engineering education)
 curricula 140, 178, 453, 674, 769, 771, 913, 992
 examinations 630
 graduate study 146, 752, 1437, 1659
 Great Britain 85, 1508
 objectives 140
 Electrical engineers 149
 see also Radio engineers
 remuneration 1043
 training 1475
 Engineering (as a profession) 29, 61, 253, 254, 277, 295, 470,
 472, 540, 544, 547, 575, 657, 698, 720, 737, 808, 809, 812,
 904, 905, 1083, 1139, 1170, 1202, 1216, 1289, 1425, 1483,
 1500, 1692, 1703, 1727, 1739, 1741
 see also Chemical engineering; Mechanical engineering; etc.
 Engineering - administration of 261, 439, 832, 907, 918, 1272,
 1415, 1485, 1655, 1663
 Engineering - social aspects 249, 348, 404, 574, 585, 638, 729,
 784, 1049, 1054, 1401, 1643, 1678, 1691
 see also Science - social aspects
 Engineering education 55, 61, 76, 180, 227, 277, 279, 330, 348,
 400, 413, 443, 450, 451, 464, 490, 510, 535, 560, 585, 594,
 597, 607, 608, 636, 701, 719, 749, 814, 893, 894, 917, 919,
 922, 924, 941, 948, 967, 1006, 1010, 1166, 1213, 1214, 1217,
 1243, 1249, 1250, 1259, 1271, 1279, 1287, 1316, 1323, 1425,
 1441, 1467, 1472, 1521, 1610, 1686, 1689, 1691, 1703
 see also Chemical engineering education; Mechanical engi-
 neering education, etc.
 accelerated programs 9, 136, 204, 696, 998, 1125, 1229, 1230,
 1283, 1481
 accrediting 5, 10, 11, 487, 546, 977, 1136, 1376, 1502
 analysis of graduates 28, 467, 822, 1062, 1227, 1409
 Australia 1204, 1497
 cooperative 6, 99, 343, 440, 522, 670, 1055, 1079, 1167, 1168,
 1303, 1369, 1418, 1419, 1430, 1470, 1545
 cultural aspects 264, 265, 444, 455, 471, 489, 958, 1321, 1510,
 1673
 curricula 112, 139, 144, 145, 157, 171, 193, 210, 222, 237,
 269, 328, 355, 374, 401, 412, 418, 424, 446, 447, 449,
 457, 469, 475, 479, 489, 491, 509, 561, 562, 566, 572, 596,
 655, 673, 699, 708, 728, 750, 796, 845, 902, 906, 918, 945,
 946, 957, 961, 976, 1077, 1079, 1080, 1094, 1220, 1228,
 1233, 1236, 1240, 1247, 1273, 1311, 1369, 1370, 1374, 1380,
 1401, 1405, 1415, 1433, 1439, 1453, 1484, 1492, 1524, 1603,
 1637, 1690, 1702, 1708, 1745
 see also Engineering education - cultural aspects; Engi-
 neering education - five-year course; Report writing
 enrollments 77, 78, 119, 188, 536, 537, 538, 539, 548, 549,
 550, 551, 552, 553, 671, 874, 1194, 1195, 1335, 1370,
 1414, 1583, 1650

(Engineering education)

- entrance requirements 177, 481
- Europe 701, 927
- examinations 179, 247, 327, 329, 347, 403, 612, 629, 631, 1030, 1182, 1282, 1305, 1443, 1516, 1575
- five-year course 256, 434, 440, 605, 697, 887, 1155, 1309, 1330, 1435, 1622, 1744
- Germany 366
- graduate study 266, 387, 401, 573, 702, 721, 792, 817, 873, 1081, 1113, 1138, 1313, 1377, 1432, 1435, 1438, 1439, 1456, 1687, 1688, 1704
- Great Britain 6, 43, 66, 291, 366, 461, 564, 565, 603, 663, 678, 684, 745, 773, 844, 846, 890, 1160, 1179, 1290
- objectives 104, 174, 189, 197, 233, 269, 284, 357, 402, 445, 476, 559, 637, 644, 655, 687, 728, 785, 857, 877, 890, 906, 947, 1003, 1082, 1087, 1277, 1278, 1311, 1322, 1433, 1477, 1541, 1548, 1644
- of women 111, 182, 183, 337, 823, 1520
- post-war 206, 220, 238, 378, 458, 488, 503, 504, 558, 598, 718, 875, 1209, 1284, 1315, 1421, 1445
- relation to industry 20, 353, 425, 843, 959, 960, 1044, 1160, 1235, 1349
- Russia 1547
- South America 649
- student selection 124, 154, 155, 182, 183, 336, 411, 438, 484, 511, 580, 589, 670, 1031, 1338, 1399, 1406, 1624
- students 65, 123, 403, 422, 454, 589, 670, 772, 1001, 1031, 1076, 1261, 1334, 1336, 1367, 1444, 1494
- trends 103, 105, 173, 224, 320, 349, 430, 434, 452, 460, 514, 532, 563, 601, 816, 853, 859, 860, 862, 863, 871, 883, 923a, 1169, 1219, 1312, 1372, 1393, 1576, 1622, 1677
- see also Engineering education - post-war
- undergraduate research 423, 556, 557, 599, 609, 730, 788, 845, 855, 1023, 1080, 1138, 1288, 1378, 1519
- Engineering physics 144, 145, 449, 945, 1702
- Engineering research 197, 266, 333, 338, 396, 413, 423, 472, 608, 651, 767, 770, 858, 1010, 1124, 1215, 1442, 1620, 1672, 1704
- see also Industrial research
- Great Britain 653
- Engineering, Science and Management War Training 75, 76, 479, 864, 960, 1140, 1590
- Engineering societies 55, 277, 410, 568, 725, 856, 867, 1171
- Engineering Societies Employment Service 1727
- Engineers 46, 318, 416, 661, 1064, 1115, 1126, 1165, 1270, 1325, 1410, 1466, 1699
- see also Civil engineers; Electrical engineers, etc.
- Canada 270, 340, 950, 1020, 1652, 1739, 1740, 1741
- characteristics 135, 155, 519, 594, 664, 667, 791, 832, 833, 907, 1181, 1261, 1269, 1314, 1449, 1476, 1483, 1509
- see also Engineers - qualifications

(Engineers)

- collective bargaining 273, 340, 431, 442, 526, 614, 688, 689,
746, 987, 1178, 1260, 1424
- directory 1684
- economic status 61a, 275, 314, 571, 638, 886, 1020, 1436
see also Engineers - remuneration
- employment 45, 114, 120, 123, 186, 234, 286, 322, 415, 523,
528, 529, 530, 604, 619, 620, 625, 679, 713, 783, 807,
819, 886, 924, 995, 1002, 1189, 1281, 1396, 1397, 1538,
1646, 1652, 1727
- ethics 87, 271, 431, 459, 720, 729, 782, 791, 854, 907, 1040,
1045, 1046, 1217, 1233, 1298
- government service 2, 113, 148, 462, 468, 569, 587, 677, 1022,
1035, 1422, 1486, 1549, 1591, 1594, 1596, 1602, 1605,
1611, 1683
- Great Britain 602, 603, 677, 678, 679, 782, 1179, 1343, 1357
- in World War II 433, 1507, 1534, 1675
- job classification 31, 113, 921, 1022
- labor relations 61a, 273, 274, 525, 541, 791, 1012, 1092,
1178, 1461
see also Engineers - collective bargaining; Engineers -
unionization
- opportunities 93, 108, 187, 330, 338, 396, 540, 544, 547,
635, 716, 760, 808, 873, 923a, 1052, 1085, 1122, 1147,
1276, 1304, 1347, 1401, 1483, 1538, 1590, 1602, 1605,
1652, 1672, 1685, 1742
see also Engineers - specialization
- placement see Engineers - employment
- professional status 61a, 114, 120, 171, 253, 486, 571, 737,
782, 784, 1020, 1329, 1343, 1417, 1497, 1740, 1741
- qualifications 221, 233, 540, 544, 547, 594, 618, 658, 861,
1277, 1322, 1371, 1429, 1483, 1647, 1680, 1703, 1743
see also Engineers - characteristics
- recruitment 394, 678, 1097, 1337, 1549, 1685
- registration 1, 117, 344, 399, 524, 795, 904, 905, 953, 954,
970, 1040, 1096, 1182, 1274, 1371, 1468, 1621, 1703
- registration (Canada) 345
- registration (Ireland) 709
- remuneration 31, 87, 108, 137, 209, 321, 397, 540, 544, 547,
592, 619, 626, 628, 665, 930, 931, 995, 1141, 1280, 1286,
1295, 1297, 1346, 1422, 1459, 1483, 1503, 1683, 1703
- remuneration (Australia) 341
- remuneration (Canada) 1341, 1652a
- remuneration (Great Britain) 1343
- safety training 796, 1634
- selection of 113, 183, 405, 492, 520, 525, 579, 801, 920,
921, 1003, 1028, 1097, 1237, 1350, 1398, 1509, 1527, 1647,
1724
- social responsibilities see Engineering - social aspects

(Engineers)

- specialization 221, 277, 469, 808, 812
 - see also Engineers - opportunities
- supply and demand 77, 78, 119, 188, 222, 270, 296, 319, 395, 545, 642, 690, 794, 821, 875, 903, 1047, 1050, 1059, 1111, 1117, 1158, 1199, 1210, 1232, 1244, 1265, 1289, 1339, 1356a, 1357, 1381, 1487, 1488, 1535, 1563, 1600, 1650
- training 20, 76, 113, 210, 227, 257, 388, 394, 425, 482, 485, 503, 504, 542, 588, 607, 608, 610, 658, 677, 753, 867, 872, 911, 912, 948, 959, 960, 1003, 1007, 1044, 1050, 1073, 1087, 1088, 1097, 1272, 1276, 1349, 1368, 1450, 1471, 1473, 1474, 1514, 1623, 1663, 1687, 1743
- unionization 132, 135, 242, 526, 543, 688, 689, 766, 795, 837, 987, 1011, 1133, 1417, 1440, 1581, 1635
- women as 182, 554, 654
- Engineers' Council for Professional Development 1727
- Ethics see as subdivision under Chemists; Engineers; Scientists
- Fellowships 97, 98, 478, 496, 581, 586, 666, 851, 901, 1103, 1258, 1354, 1562, 1570, 1660, 1661, 1732
 - Great Britain 963, 1207
- Food technologists - education 432
- Forestry 121, 1513
- Foundations 47
- Foundry engineers 1381
- Gas engineering education - Great Britain 379
- Geological education 200, 926, 964, 985, 1109, 1240, 1515
- Geological engineering 1490
 - see also Petroleum engineering
- Geologists 94, 200, 232, 647, 933, 1109, 1231, 1240
- Geology 647, 1490
- Geophysical education 52, 74, 757, 891, 892, 1008, 1649
- Highway engineers 60, 133
- Illuminating engineering education 130, 1645
- Industrial engineering education 21, 71, 285, 956, 1134
- Industrial research 26, 46, 73, 101, 107, 143, 166, 308, 315, 323, 359, 427, 433, 512, 617, 694, 700, 731, 732, 748, 787, 828, 900, 910, 982, 1048, 1065, 1078, 1407, 1420, 1455, 1532, 1582, 1599, 1662, 1711, 1715
 - see also Engineering research; Scientific research
- administration of see Administration of research - industrial research
- cooperative 779, 876, 888
- Great Britain 116, 122, 201, 584, 653, 682, 756, 838, 842, 1027, 1032, 1091, 1152, 1161, 1356, 1364
- in institutions 18, 116, 359, 653, 700, 756, 799, 916, 1163, 1164, 1213, 1215, 1218, 1660, 1661, 1723

Industrial research laboratories 841
 Great Britain 88, 838
 Interdepartmental Committee on Scientific Research and
 Development 852
 International Training Administration 257
 Inventions see Industrial research
 Inventors 46, 318, 427, 896, 1070, 1218, 1320, 1410, 1595

 Junior Academy of Science 414, 1543

 Kilgore Bill 250, 427

 Labor relations see as subdivision under Chemical engineers;
 Chemists; Civil engineers; Engineers
 Legislation affecting science 17, 250, 334, 427, 581, 1017, 1461,
 1654, 1695
 Great Britain 17
 Russia 17
 Librarians (technical) 134, 968, 1351, 1491
 Loyalty procedures see Engineers - government service;
 Scientists - government service, etc.

 Marine engineers 505
 Mathematicians 239
 Mathematics 342, 710, 1603
 Mechanical engineering 377
 Mechanical engineering education 377, 513
 analysis of graduates 1674
 curricula 316, 606, 1024, 1352, 1586, 1698, 1726
 five-year course 885
 graduate study 317
 Great Britain 508, 847
 objectives 316, 740
 Mechanical engineers 568
 see also Refrigerating engineers
 opportunities 377
 remuneration 4
 specialization 740
 training 317
 Metallurgical education 207, 208, 324, 793, 1263, 1501
 curricula 24, 870, 1154, 1201, 1404, 1448, 1640
 entrance requirements 879
 Great Britain 24, 507, 880, 1426, 1554, 1556, 1616
 objectives 590, 662, 1162, 1489, 1542
 trends 1009, 1201
 Metallurgical engineering see Metallurgists; Metallurgy
 Metallurgists 1381, 1501
 see also Foundry engineers
 characteristics 207, 208
 qualifications 1556

(Metallurgists)
 training 207, 208, 1556, 1735
 Metallurgy (as a profession) 1501
 Meteorology (as a profession) 54, 1208
 Military and naval research 92, 93, 192, 248, 251, 352, 404,
 866, 895, 952, 955, 1347, 1479, 1534, 1695
 Military deferment of scientific personnel 163, 278, 371, 426,
 488, 1056, 1057, 1060, 1139a, 1172, 1174, 1175, 1348,
 1356a, 1385, 1533, 1535, 1536, 1719
 Military research - Great Britain 391
 Mining engineering 980
 Mining engineering education 534, 793, 980, 1193, 1263
 curricula see Mining engineering education - trends
 enrollments 1192, 1196, 1198, 1200
 objectives 1015, 1542
 trends 393, 1015, 1201, 1262, 1464, 1480
 Mining engineers
 opportunities 534, 980, 1716
 remuneration (Canada) 1069
 supply and demand 1192
 training 848
 training (Canada) 939

 National Academy of Sciences 1102, 1107, 1736
 National Labor Relations Act
 effect on chemists 1012
 effect on engineers 3, 837, 1012, 1178, 1635
 National Research Council 1100, 1101, 1102, 1103, 1105, 1727
 National Roster of Scientific and Specialized Personnel 36, 162,
 279, 280, 282, 362, 1059, 1106, 1112, 1114, 1115, 1119,
 1650, 1729, 1730
 National Science Foundation 648, 923, 1654
 Naval research see Military and naval research
 Nuclear engineering 826, 1130, 1131

 Occupational hazards see as subdivision under Chemical
 engineers; Chemists; Scientists
 Office of Naval Research 952
 Office of Scientific Research and Development 352, 358, 1479,
 1534
 Opportunities see the specific professions

 Paleontologists 1345
 Patents 427, 780, 789, 798, 1070, 1164, 1218, 1551
 Personnel administration 419, 727, 1098, 1328, 1379, 1593
 scientific personnel 419, 569, 727, 1022, 1127, 1328, 1355,
 1388, 1390, 1612, 1713
 Petroleum engineering 326
 Petroleum engineering education 326, 793, 1095, 1221, 1222
 Petroleum engineers 258, 326

Pharmaceutical education 44
 Pharmacy (as a profession) 175
 Physicists 141, 149, 172, 212, 1108, 1667
 characteristics 201, 389, 707, 1065, 1143
 government service 384, 456, 827
 Great Britain 201, 1025
 in World War II 125
 industrial 472, 732, 800, 1065, 1532, 1582
 opportunities 191, 384, 692, 800, 828, 929, 1142, 1499, 1505
 see also Physicists - specialization
 professional status 1532
 qualifications see Physicists - characteristics
 remuneration 827, 828
 selection of 287, 1028
 specialization 929, 1499, 1505
 see also Physicists - opportunities
 supply and demand 127, 215, 736, 916, 1033, 1118, 1505, 1676
 training 1145
 Physicists, education of 346, 567, 707, 830, 1157
 accrediting 1532
 analysis of graduates 172, 1573
 cooperative 1159
 curricula 32, 35, 176, 191, 241, 288, 448, 477, 518, 744,
 892, 993, 994, 1142, 1143, 1532, 1582
 enrollments 241, 1676
 examinations 32, 33, 34, 176, 944, 1408
 graduate study 97, 98, 241, 407, 735, 751, 1148, 1532, 1573
 Great Britain 156, 201, 202, 389, 993, 994, 1025
 objectives 202, 389, 390, 448, 477, 732, 978, 979, 994, 1042,
 1143
 Physics (as a profession) 126, 159, 472, 1532, 1667
 Physiologists 22
 Power plant engineers see Mechanical engineers
 Professions 613
 see also Chemistry (as a profession); Engineering (as a
 profession); etc.
 Psychologists 70, 170, 244, 297, 942, 1036, 1037, 1375, 1525,
 1526, 1628
 Psychology (as a profession) 79, 942, 1375

 Radio engineers 1026
 Recruitment see as subdivision under Engineers; Scientists;
 see also subdivision supply and demand under the
 specific professions
 Refrigerating engineers 1478, 1725
 Report writing 1601, 1604
 Research and Development Board 1613

 Salaries see the subdivision remuneration under Chemists;
 Engineers; etc.

Scholarships see Fellowships
 Science (as a profession) 110, 294
 see also Chemistry (as a profession); Physics (as a profession); etc.
 Science - social aspects 109, 153, 158, 165, 211, 212, 230, 251, 255, 386, 404, 962, 1005, 1048, 1049, 1051, 1054, 1090, 1185, 1308, 1421, 1608, 1642, 1643, 1662, 1694
 see also Engineering - social aspects
 Science Talent Search 496, 497, 498, 499, 500, 501, 502, 790, 1318
 Scientific education 30, 90, 153, 192, 196, 203, 229, 240, 417, 420, 488, 700, 747, 818, 882, 895, 924, 1056, 1241, 1308, 1610
 accelerated programs 1230
 analysis of graduates 802, 1631, 1632
 curricula 829, 1005, 1300, 1301, 1512, 1603
 see also Report writing
 enrollments 691
 graduate study 43, 515, 727, 803, 817, 1113, 1120, 1296, 1570, 1606, 1630, 1648, 1722
 Great Britain 89, 217, 680, 683, 685, 842, 1013, 1027, 1032, 1160, 1285, 1413, 1546, 1614, 1615, 1651
 objectives 23, 357, 406, 1300, 1512
 relation to industry 842, 1160, 1235
 student selection 829
 trends 13, 923a, 1312, 1421
 Scientific institutions 725
 Scientific personnel see Engineers; Scientists; etc.
 Scientific research 133, 153, 196, 229, 230, 318, 386, 632, 723, 731, 747, 748, 759, 779, 799, 806, 869, 895, 915, 951, 1004, 1018, 1048, 1054, 1157, 1203, 1206, 1299, 1354, 1407, 1420, 1530, 1620
 see also Chemical research; Engineering research; Industrial research; Administration of research; etc.
 Australia 1362
 Germany 668, 825, 1403
 government supported 17, 198, 334, 350, 351, 354, 359, 398, 420, 436, 581, 582, 616, 648, 669, 759, 825, 934, 983, 986, 1017, 1072, 1180, 1224, 1353, 1354, 1532, 1587, 1598, 1599, 1608, 1609, 1612
 government supported (Great Britain) 17, 641, 676, 681, 682, 778, 825, 974
 government supported (Russia) 825, 1560
 Great Britain 201, 1091, 1152, 1153, 1161, 1239, 1356, 1361, 1614, 1619
 in World War II see Military and naval research
 Scientific societies 131, 392, 725, 1532
 Scientists 14, 228, 250, 318, 660, 758, 802, 1005, 1058, 1064, 1115, 1127, 1165, 1420, 1544, 1629, 1630, 1631, 1632, 1633, 1664

(Scientists)

- Canada 950, 1020, 1189, 1191, 1652
characterists 110, 255, 659, 711, 712, 1066, 1084, 1093,
1203, 1206, 1266, 1310, 1386, 1632, 1642, 1656
see also Scientists - qualifications
directories 53, 283, 289, 290, 362, 838
see also National Roster of Scientific and Special-
ized Personnel
economic status 1020, 1653
see also Scientists - remuneration
employment 15, 640, 679, 924, 1189, 1571, 1652
ethics 777, 1266, 1694, 1717
government service 148, 255, 360, 361, 468, 531, 555, 569,
583, 611, 739, 835, 899, 982, 996, 1022, 1061, 1072,
1186, 1422, 1549, 1566, 1567, 1574, 1587, 1588, 1591,
1594, 1596, 1598, 1602, 1605, 1611, 1612, 1679, 1695,
1710
government service (Great Britain) 675, 676, 677, 849, 974,
1340, 1460, 1557
Great Britain 122, 441, 584, 679, 756, 778, 838, 975, 1027,
1121, 1183, 1238, 1359, 1364, 1413, 1619
in World War II 138, 251, 281, 358, 391, 433, 703, 704, 775,
895, 996, 1534, 1566, 1589, 1675
job classification 1022, 1072
labor relations 1093, 1238
see also Scientists - unionization
occupational hazards 69, 764
opportunities 134, 355, 370, 611, 779, 866, 923a, 1053, 1365,
1602, 1605, 1652, 1660
see also Scientists - specialization
professional status 1020
qualifications 48, 196, 787, 1384, 1637
see also Scientists - characteristics
recruitment 90, 240, 294, 394, 414, 818, 1097, 1387, 1496,
1543, 1549, 1607, 1608, 1668
remuneration 196, 1365, 1422, 1503
remuneration (Canada) 1652a
remuneration (Great Britain) 369, 1340
Russia 1366
selection of 48, 49, 50, 203, 495, 579, 882, 982, 1097, 1350,
1384, 1496, 1662
social responsibilities see Science - social aspects
supply and demand 13, 80, 184, 230, 248, 294, 299, 319, 356,
362, 421, 642, 743, 899, 903, 1047, 1071, 1084, 1104, 1111,
1129, 1226, 1244, 1291, 1356a, 1400, 1487, 1488, 1533, 1535,
1563, 1564, 1565, 1567, 1568, 1572, 1598, 1607, 1609, 1612,
1715, 1733
supply and demand (Canada) 270, 865
supply and demand (Great Britain) 683, 1032, 1357, 1358, 1360,
1361, 1569, 1651

(Scientists)
training 48, 76, 147, 257, 394, 743, 787, 882, 982, 1097,
1120, 1146, 1225, 1363, 1458, 1550, 1567, 1588, 1606,
1668
training (Great Britain) 677, 685, 1557, 1558
unionization 369, 1635
women as 16, 932, 1240, 1331, 1363, 1682, 1737
Statisticians 1402
Structural engineering see Civil engineering
Technical institute education 367, 922, 1441
University research see Industrial research in institutions;
Scientific research
Wartime Bureau of Technical Personnel (Canada) 1191
White Paper (Great Britain) 508, 680, 847
Women in science see Chemists - women as; Scientists -
women as
World War II see Chemists - in World War II; Engineers -
in World War II; etc; Military and naval research