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PHYSICS

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UNITED STATES ATOMIC ENERGY COMMISSION

BIBLIOGRAPHY ON AEROSOLS, 1950-1955

Supplement to Report SO-1003

Compiled by
W. J. Scheffy

June 1, 1956

Engineering Experiment Station
University of Illinois
Urbana, Illinois



Technical Information Service Extension, Oak Ridge, Tenn.

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ENGINEERING EXPERIMENT STATION

UNIVERSITY OF ILLINOIS

June 1, 1956

BIBLIOGRAPHY ON AEROSOLS, 1950-1955

Supplement to Report No. SO-1003

Compiled by W. J. Scheffy, Research Associate

Contract No. AT(11-1)-276

U.S. Atomic Energy Commission

H.F. Johnstone, Technical Director

BIBLIOGRAPHY ON AEROSOLS, 1950-55

Supplement to Report No. SO-1003

Engineering Experiment Station
University of Illinois

June 1, 1956

The references given here supplement those in the Bibliography on Aerosols (Report No. SO-1003) issued February 28, 1951. The subjects covered and the classifications of the references are the same as those in the previous report except that the references to review papers, symposia, discussions, and bibliographies, previously classified in Section IX, are not classified separately. The following statements are quoted from the original bibliography:

"An attempt has been made to include in this 'Bibliography on Aerosols' a large and representative number of literature references. It is hoped that a minimal number of serious omissions exist, although in any compilation of this scope, such errors are unavoidable. Included are references to books and articles dealing with aerosols and related systems on:

Properties
Preparation and formation
Coagulation
Determination
Collection
Air pollution
Meteorology

The air pollution and meteorology categories are specifically limited in their extent. The former does not generally include references to legal aspects of pollution, smoke abatement (except by methods included in the collection categories), results of studies of pollution in specific localities, etc. The meteorology category includes a small number of

references pertaining mainly to nucleation, properties of naturally occurring aerosols, etc. The greater emphasis in all of the categories has been placed on work of the last quarter century.

"Each entry has been classified into one of nine divisions and has been arranged in its division alphabetically according to the author's last name. Each division has been sub-divided into a number of sub-topics which are listed on pages vi to viii. These sub-topics have been given designating symbols which appear in the bibliography after the entries in the right hand margin of the page. It is possible to locate references on a particular sub-topic by determining its division number and sub-topic symbol and then turning to that division in the body of the bibliography (the division number is in the upper right hand corner of each page) and scanning the right hand margins for the desired symbol. This method will yield most of the references present on any particular sub-topic. The entries are numbered serially to provide an unambiguous notation. An author index can be found following the body of the bibliography. In it are listed the author's name, entry-number, division number, and sub-topic symbol. In references to works by two authors, the names of both are listed. Generally, for more than two authors, the name of the first is listed followed by 'et al.'

The format of the individual entry is as follows:

Author's name; Title of paper. Name of Journal, Vol. No., Page numbers (year); Abstract reference.

In general, journal names are abbreviated using Chemical Abstracts' abbreviations. Immediately after many of the entries a reference is given to Chemical Abstracts or British Abstracts. The form of these

references is as follows:

C.A.	39:4917	(Volume number: Column number)
B.A.	1927:A:648	(Year: Section: Page number)

Following some of the references a descriptive note is given. It should be emphasized that neither the length nor presence of a note is intended to indicate the merit or importance of the reference. In many cases a note was intentionally deleted from an important reference because of the impossibility of adequately indicating its value or scope."

I. PROPERTIES

- A - Acoustical properties, absorption of sound, see also III S and V A
- D - Dynamics of particles, including Brownian motion
- E - Electrical properties, effect of and determination of charge, natural and artificial electrification, see also III E, IV Samp E, and VI
- Ex - Explosibility and inflammability
- G - General
- L - Light absorption, scattering, and transmission, see also IV L
- M - Miscellaneous and unclassified
- S - Size distributions
- St - Stability and equilibrium, see also II and III
- T - Thermal properties, movement in a temperature gradient

II. PREPARATION AND FORMATION OF AEROSOL SYSTEMS

- D - Preparation methods
- F - Formation primarily incidental to other processes
- G - General
- P - Preparation of specific aerosols, smoke screens, germicidal aerosols
- T - On aerosol formation mechanisms, nucleation, condensation, growth, and decay, see also VIII N
- M - Miscellaneous and unclassified

III. COAGULATION (SEE ALSO I St)

- B - By Brownian motion
- E - By electrical effects
- G - General
- N - Nature of coagulated particles
- S - By sonic and ultrasonic forces, see also I A and V A
- T - By turbulence

IV. DETERMINATION OF PARTICLE SIZE, NUMBER, METHODS OF SAMPLING, AND ANALYTICAL PROCEDURES (SEE ALSO I)

- E1 - Elutriation
- G - General
- L - Light scattering or light absorption methods of measuring particle size and concentration, including x-rays and electron diffraction, see also I L
- M - Miscellaneous and unclassified
- N - Measurement of number, surface, mass, number of nuclei, see also I S
- SAMP E - Sampling by electrostatic precipitation, see also I E and VI
- SAMP F - Sampling by filters
- SAMP I - Sampling by impingers and inertial separators
- SAMP K - Sampling by konimeters
- SAMP M - Sampling by miscellaneous devices
- SAMP T - Sampling by thermal precipitation, see also I T
- B - By visual means, microscopes, ultramicroscopes, electron microscopes, photography, and microphotography

V. COLLECTION AND REMOVAL (SEE IV FOR TESTING PROCEDURES)

- A - By sonic collectors, see also III S
- C - Cyclones and centrifugal methods
- Ex - Exhaust systems
- F - Air filters and respirators including theory and experimental characteristics
- G - General reviews and discussions (which may include elec. pptn.), see also VI
- M - Miscellaneous unclassified, including adsorption methods
- S - Scrubber
- Set - Settling and impingement separators

VI. ELECTROSTATIC PRECIPITATION (SEE ALSO I E AND IV SAMP E)

- A - Specific applications and descriptions of installations
- G - General reviews and discussions, see also V G
- T - Theoretical
- E - Experimental on operation variables
- M - Miscellaneous

VII. AIR POLLUTION (LIMITED) (SEE ALSO IV FOR SAMPLING AND DUST MONITORING METHODS; AND VIII)

- St - Gas dissemination from stacks
- G - General reviews and discussions
- S - Smoke properties in the atmosphere
- P - Smoke prevention

VIII. METEOROLOGY (LIMITED)

- N - Nucleation, growth and disappearance of rain (including artificial precipitation and removal)
- D - Determination of properties of fogs, mists, etc., (see also IV)
- P - Properties and behavior of atmospheric aerosols
- M - Miscellaneous including artificial smokes
- G - General

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III. COAGULATION

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 FRADKIN, E. M.; 45 (I E)
 FRANCH, C. M.; SEE DE ROBERTIS, E.
 FRANKLIN, A. D., CAMPBELL, R., AND
 WEINMAN, J.; 417 (IV V,L)
 FRASER, D. A.; 418 (IV Samp F,V)
 FRASS, FOSTER, AND RALSTON, O. C.;
 735 (VI A)
 FRENKEL, Y. I.; 46 (I E)
 FRENKEL, YA. I.; SEE MOROZ, L. M.

FRICKE, H.; 48 (I E)
 FRIEDLANDER, S. K.; 47 (I D)
 - AND SILVERMAN, L., DRINKER, P.,
 AND FIRST, M. W.; 787 (VII P)
 FRISCH, H. L. AND COLLINS, F. C.;
 260 (II T); 261 (II T); 262 (II T)
 FUCHS, N. A.; 53 (I G)
 FUJITANI, Y.; 345 (III B); 49 (I D);
 50 (I M); 51 (I St); 346 (III B);
 52 (I S,E)
 FUJITANI, Y.; SEE SANO, I.
 FUKUSEN, H.; SEE MIZUSHINA, T.
 FULTON, R. A., NELSON, R. H., AND
 YEOMANS, A. H.; 419 (IV M)
 FURTH, R.; 54 (I D)
 FUSAMURA, N.; 55 (I Ex)
 GALADZHIJ, F. M.; 420 (IV L)
 GALLAER, C. A.; 617 (V G)
 GARRIGUE, HUBERT; 788 (VII S); 789
 (VII S)
 GÄRTNER, W.; 56 (I A)
 GAST, T.; 421 (IV Samp E)
 GECK, W. H.; 57 (I Ex); 618 (V G)
 - AND WINDEL, T.; 619 (V M)
 GEIST, J. M.; 422 (IV M)
 - AND YORK, J. L., AND BROWN, G. G.;
 423 (IV M)
 GENDRON, P. R.; SEE LA MER, V. K.
 GENDRON, P. R.; SEE SCHIFF, D.
 GEORGE, K. Z.; 620 (V M)
 GERHARD, E. R., AND JOHNSTONE, H.
 F.; 424 (IV Samp I)
 GESSNER, H.; 790 (VII S)
 GIBB, J. G., AND RITCHIE, P. D.;
 58 (I M)
 - AND RITCHIE, P. D., AND SHARPE,
 J. W.; 425 (IV L)
 GILBERT, M., DAVIS, L., AND ALTMAN,
 D.; 59 (I D)
 GILKINSON, R. W.; 426 (IV L, Samp F)
 GILLESPIE, G. R.; 60 (I S)
 - AND JOHNSTONE, H. F.; 61 (I S)
 GILLESPIE, T.; 63 (I E); 62 (I D);
 621 (V F)
 - AND LANGSTROTH, G. O.; 347 (III B);
 348 (III B); 349 (III B); 736 (VI
 M)
 -AND RIDEAL, E.; 64 (I D)
 GILLET, J. M.; 791 (VII P,G)
 GILLILAND, E. R.; SEE HUGHES, R. R.
 GLASSBROOK, C. I.; SEE CADLE, R. D.
 GNAGY, R. M.; SEE ADAMS, D. F.
 GODSAVE, G. A. E.; 65 (I Ex)
 GOETZ, A.; 427 (IV Samp F)
 GOLDSTEIN, M.; 66 (I L)
 GOOD, C. H.; 622 (V G)
 GORDON, R. L., GRIFFIN, O. G., AND
 NAGELSCHMIDT, G.; 428 (IV L)
 GOSLINE, C. A.; 792 (VII P); 793 (VII St);
 794 (VII G); 795 (VII St)
 GOSS, A. E. AND ROSS, A. M., JR.; 623
 (V G)
 GOURLEY, M. F., AND CROZIER, W. D.; 263
 (II T)
 GOYER, G. G., GRUEN, RUTH, LA MER, V. K.;
 624 (V F)
 GRABOVSKII, R. J.; 625 (V M)
 GREEN, M. S.; 67 (I D)
 GREENBURG, L.; SEE STERN, A. C.
 GREENSTEIN, J. L.; SEE DAVIS, L.
 GREGORY, C. A., JR., AND CALCOTE, H. F.;
 68 (I Ex)
 GRIEVE, T. W.; SEE BREDL, J.
 GRIFFIN, O. G.; SEE GORDON, R. L.
 GRINDLE, A. J.; 796 (VII P); 626 (V G)
 GROSJEAN, C. C.; 69 (I L)
 GRUEN, R.; SEE GOYER, G. G.
 GRUEN, R.; SEE LA MER, V. K.
 GRÜN, AND MOPPERT, K. F.; 70 (I D)
 GUCKER, F. F., JR., AND PETERSON, A. H.;
 429 (IV L)
 GUMPRECHT, R. O.; 430 (IV L)
 - AND SLIEPCOVICH, C. M.; 71 (I L); 431
 (IV L)
 GUNN, K. L. S.; SEE MARSHALL, J. S.
 GUNN, R.; 72 (I E)
 GURUSWAMY, S.; SEE CASSEL, H. M.
 GURVITS, S. S.; SEE VOSKEVICH, D. N.
 GUTHMANN, K.; 432 (IV G); 627 (V G)
 GÜTTLER, A.; 73 (I L)
 GUTZWILLER, N. AND VERZAR, F.; 929 (VII N)
 HAINES, G. F.; SEE HEMMON, W. C. L.
 HALL, A. R., AND DIEDERICHSEN, J.; 74 (I
 Ex)
 HALL, S. R.; 797 (VII S); 798 (VII S)
 HALTON, E. M.; SEE ROSENQUET, C. H.
 HAMBLIN, D. O.; SEE BRADLEY, W. R.
 HAMILTON, R. J., WAINWRIGHT, T., AND
 WALTON, W. H.; 433 (IV Samp K)
 HAMMING, W. J.; SEE LARSON, G. P.
 HANCOCK, R. T.; 75 (I D)
 HARLEY, J. W.; SEE EISENBUD, M.
 HARMON, D. B.; SEE TAYLOR, E. H.
 HARRIS, L., JEFFRIES, D., AND SIEGEL, B.
 M.; 434 (IV V); 76 (I M)
 HARRIS, W. B., LEVINE, H. D., AND EISENBUD,
 M.; 628 (V M)
 HARRIS, W. B.; SEE EISENBUD, M.
 HARRISSON, J. W. E., AMBRUS, J. L. and
 AMBRUS, C. M.; 264 (II P)

HARTZ, N. W.; 799 (VII S)
 HASSEL, B.; 629 (V Set)
 HATCH, T.; SEE CEMBER, H.
 HATTORI, I.; SEE TSUJI, M.
 HAUGHTON, M. I.; SEE KERKER, M.
 HAVENS, B. J.; SEE SEHL, F. W.
 HAWKSLEY, P. G. W.; 435 (IV G); 436
 (IV L)
 HAXEL, O.; 800 (VII S)
 HAYAKAWA, S. AND HAYASHI, Y.; 77
 (I L)
 HEBLEY, H. F.; 801 (VII G)
 HEDBERG, C. W.; SEE WHITE, H. J.
 HEFFERNAN, K. J.; SEE SMITH, E. J.
 HELLER, W., EPEL, J. N., AND TABIBIAN,
 R. M.; 78 (I L)
 HEMMON, W. C. L.; 802 (VII S); 803
 (VII S); 804 (VII G); 805 (VII G)
 HENNIG, H.; 930 (VIII P)
 HERZFELD, K. F. AND REFD, S. G., JR.;
 79 (I M)
 HESS, A. D.; SEE CUTKOMP, L. K.
 HESSEMER, R. A., JR.; 806 (VII);
 807 (VII S)
 HEWSON, E. W.; 808 (VII G); 809
 (VII G)
 HEYWOOD, H.; 80 (I D); 630 (V F)
 HIBI, T., AND OGAWA, T.; 81 (I M)
 - AND YADA, K.; 82 (I M)
 HIEDEMANN, E. A.; 631 (V A)
 HILL, G. R.; 810 (VII P)
 - AND THOMAS, M.; 812 (VII P)
 - AND THOMAS, M. D., AND ABERSOLD,
 J. N.; 811 (VII G)
 HILL, T. L.; 265 (II T)
 HILLIER, J.; SEE TURKEVICH, J.
 HINKLE, B. L., ORR, C., JR., AND
 DALLA VALLE, J. M.; 83 (I E)
 HITOMI, T.; SEE SANO, I.
 HOLL, W., AND MÜHLSEISEN, R.; 266
 (II T); 437 (IV N)
 HOLT, P. F.; 438 (IV Samp T); 439
 (IV Samp I, Samp K); 632 (V Set);
 440 (IV N); 813 (VII S); 441 (IV
 N); 442 (IV Samp M.L); 443 (IV N);
 444 (IV Samp F)
 - AND CHALK, A. J.; 445 (IV Samp M)
 HONJO, G. AND MIHARA, K.; 446 (IV L);
 84 (I M)
 HONJO, G.; SEE MIYAKE, S.
 HOSEMAN, R.; 86 (I L); 85 (I L)
 HOSEY, A. D. AND JONES, H. H.; 737
 (VI A)
 HOSEY, A. D.; SEE BROWN, J. K.
 HOSEY, A. D.; SEE YAFFE, C. D.
 HOSFORD, H. C.; 814 (VII P)
 HOSLER, C. L.; 931 (VIII N)
 HOTTEL, H. C., WILLIAMS, G. C., AND
 SIMPSON, H. C.; 87 (I Ex)
 HOUNAM, R. F.; 88 (I G)
 HOUNAM, R. F.; SEE SHARPE, J. W.
 HOW, M. E. AND MUNDEN, J. M.; 89 (I Ex)
 HOWARTH, S. R.; SEE DAWES, J. G.
 HOWER, E. N.; SEE WALKER, J. D.
 HU, S., AND KINTNER, R. C.; 90 (I D)
 HUBBELL, H. H.; SEE TURKEVICH, J.
 HUBLEY, C. E., ROBERTSON, A. A., AND
 MASON, S. G.; 633 (V Set)
 HUDSON, D. G.; 634 (V S)
 HUGHES, R. R. AND GILLILAND, E. R.;
 91 (I D)
 HURLEY, T. F. AND FLAWS, L. J.; 815
 (VII P)
 HURTIG, H.; 447 (IV G)
 - AND PERRY, A. S.; 448 (IV Samp M)
 HURTIG, H.; SEE RAYNER, A. C.
 HUSS, H. O.; 267 (II P)
 IINOYA, KOICHI; 635 (V C); 449 (IV
 Samp F)
 INAGAKI, H.; SEE KOBAYASHI, K.
 INGEBO, R. D.; 268 (II T)
 INGRAM, W. T. AND DIERINGER, L. F.; 450.
 IV G)
 INGRAM, W. T.; SEE STROM, G. H.
 INN, E. C. Y.; 451 (IV N,L)
 INN, E. C. Y.; SEE LA MER, V. K.
 INOUE, ICHIRO; 636 (V A)
 INOUE, I.; SEE OYAMA, Y.
 INCUYE, K., UCHIBORI, T., KATSURAI, T.;
 92 (I D)
 IRWIN, D.; SEE DAUTREBANDE, L.
 IRWIN, J. O., ARMITAGE, P., AND DAVIES,
 C. N.; 452 (IV M)
 ISKOL'DSKII, I. I., AND BOGORODSKAYA,
 L. P.; 453 (IV M)
 ISODA, H.; SEE KUMAGAI, S.
 ITO, S.; SEE SANO, I.
 JACOBI, W.; 93 (I E)
 JACOBS, H. L.; 637 (V G)
 JANISZEWSKI, Z.; 638 (V F)
 JANSSEN, W. H.; 639 (V A)
 JECH, C.; 816 (VII G); 94 (I M)
 JEFFRIES, D.; SEE HARRIS, L.
 JENNINGS, R. F.; 640 (V G); 641 (V G)
 JENNY, J. P.; 817 (VII P)
 JESSOP, STUART M.; 642 (V F)
 JOHNSON, G. O.; SEE DENNIS, R.
 JOHNSON, H. O.; 643 (V M)

JOHNSTONE, H. F.; 818 (VII P)
 - AND EADS, D. K.; 269 (II T)
 - AND FEILD, R. B., TASSLER, M. C.;
 644 (V M)
 - AND KELLY, M. D., AND MC KINLEY
 D. L.; 270 (II T)
 JOHNSTONE, H. F.; SEE EKMAN, F. O.
 JOHNSTONE, H. F.; SEE GERHARD, E. R.
 JOHNSTONE, H. F.; SEE GILLESPIE, G. R.
 JOHNSTONE, H. F.; SEE RANZ, W. E.
 JOHNSTONE, H. F.; SEE WONG, J. B.
 JOLY, Gabriel; 645 (V G)
 JOLY, M.; 95 (I M); 96 (I D)
 JONES, H. H.; SEE BROWN, J. K.
 JONES, H. H.; SEE HOSEY, A. D.
 JONES, W. P.; 646 (V S); 647 (V S)
 JORISSEN, A.; SEE LECLERC, E.
 JÖTTEN, K. W.; 819 (VII G)
 JUDSON, B. F.; SEE BLASEWITZ, A. G.
 JUNGE, C. E.; 820 (VII S)
 KACHOR, L. F.; 454 (IV Samp M)
 KAHLER, H.; SEE DAUTREBLANDE, J.
 KAHN, A., AND LEWIS, D. R.; 455
 (IV L)
 KAHN, F. D.; 271 (II M)
 KAISER, E. R.; 821 (VII P)
 KAIMUS, E. H.; 272 (II D)
 KAMACK, H. J.; 456 (IV N)
 KAMACK, H. J.; SEE LAPPLE, C. E.
 KANE, J. M.; 648 (V C, M); 822 (VII P)
 - AND WALPOLE, R. H.; 649 (V G)
 KANE, L. J.; SEE EGGLESON, G. E.
 KANE, L. J.; SEE STONE, D. E.
 KANTOROVICH, B. V.; 97 (I D)
 KANTROWITZ, A.; 273 (II T)
 KARACHAROV, T. S. AND VORONTSOVA,
 E. I.; 650 (V F)
 KARTASHOV, G. K.; 98 (I E)
 KATCHALSKY, E. AND NEUMANN, H.;
 274 (II T)
 KATSURAJ, T.; SEE INOUE, K.
 KATZ, MORRIS; 823 (VII P); 824 (VII
 G); 825 (VII G)
 KAY, K.; 826 (VII S)
 KAYSE, J. R.; 827 (VII S)
 KAZANSKII, A. M.; 99 (I D)
 KAZHINSKII, B. B.; SEE FEDOSEEV, V. A.
 KEENAN, R. G. AND BYERS, D. H.;
 457 (IV M)
 KEENER, G. G.; SEE CUTKOMP, L. K.
 KELLY, M. D.; SEE JOHNSTONE, H. F.
 KELSALL, D. F.; 651 (V C)
 KEMLER, E. N., LA JOY, M. H.,
 KEMLER, E. N., JR.; 458 (IV G)
 KEMLER, E. N., JR.; SEE KEMLER,
 E. N.
 KENNY, P. J.; SEE NOLAN, P. J.
 KERKER, M.; 459 (IV L)
 - AND HAUGHTON, M. I.; 460 (IV L)
 KESPER, J.; 652 (V M)
 KHACHKURUZOV, G. A.; 461 (IV L)
 KHOKHLOV, D. N.; SEE DUNSKII, V. F.
 KHUDYAKOV, G. N.; 100 (I D); 101 (I T)
 - AND CLNIKHOV, Z. F.; 102 (I D)
 KIDDOO, Gordon; 653 (V A)
 KINOSHITA, I. K.; 654 (V Set)
 KINOSHITA, S.; 275 (II T)
 KINSBURY, S. S.; SEE PALMER, F.
 KINTNER, R. C.; SEE HU, S.
 KITAMURA, K.; SEE TANNO, H.
 KITaura, Y.; 655 (V C)
 KITO, T.; 462 (IV L)
 KLEISSLER, A. J.; 656 (V G)
 KLEIWE, H., AND OBERFELD.; 103 (I M)
 KNEISEL, R. S.; SEE STALKER, W. W.
 KNOP, W., AND SCHÜRMANN, D.; 828 (VII S)
 KOBAYASHI, K. AND INAGAKI, H.; 463
 (IV V)
 KOBAYASHI, K.; SEE TANASAWA, Y.
 KOBAYASHI, T.; SEE OGIWARA, S.
 KOENUMA, K.; 104 (I St)
 KOJIMA, K.; 738 (VI M)
 KOJIMA, K.; SEE TANNO, H.
 KOLAROW, N.; 739 (VI A)
 KONDORSHII, E.; 105 (I M)
 KONEDA, I.; SEE TANNO, H.
 KOPELMAN, B.; SEE SCHUBERT, Y.
 KOPPE, R. K.; SEE ADAMS, D. F.
 KORI, T.; SEE NICHIHARA, T.
 KOSENKO, A. I.; SEE BELKIN, E. S.
 KOTTLER, F.; 106 (I S)
 KRAMER, H. F.; 107 (I E)
 KRAMER, H. P. AND RIGDY, M.; 829
 (VII G); 932 (VIII N, P)
 KRASNOGORSKAYA, M.; SEE ERENBURG, G.
 KRASOVSKII, V. I.; 108 (I M)
 KRATKY, O.; 464 (IV L); 109 (I L)
 KRAUS, E. B., AND SMITH, B.; 110 (I S)
 KRIGER, F. S.; 657 (V G)
 KROK, E.; 465 (IV M)
 KROPP, E. P.; 658 (V S)
 - AND SIMONSEN, R. N.; 330 (VII P);
 831 (VII P); 832 (VII P)
 KUBO, M. AND NAKAMURA, S.; 111 (I E)
 KUDŌ, T.; SEE TAKAHASHI, Y.
 KUERT, F.; 276 (II T); 112 (I M);
 277 (II T)
 KUMAGAI, S., AND ISODA, H.; 113 (I Ex)
 KUNKEL, H. E. AND MC MAHON, H. E.;
 466 (IV G)
 KUNII, D.; SEE YAGI, S.
 KUWABARA, S.; 114 (I L)
 LABBE, A. L.; 740 (VI M)
 - DONOSO, J. J.; 659 (V F)

LA BELLE, W.; S^TE STOKINGER, H. E.
 LABEYRIE, J. AND PELLE, M.; 467
 (IV Samp M)
 LABEYRIE, J.; SEE DELIBRIAS, G.
 LAFARGUE, C.; SEE DESSENS, H.
 LA JOY, M. H.; SEE KEMLER, E. N.
 LAL KHANNA, M.; SEE DAS GUPTA, S. K.
 LAMBERT, B. V.; 660 (V C)
 LA MER, V. K.; 115 (I M); 278 (II T)
 - AND COTSON, S.; 279 (II T)
 - AND GENDRON, P. R.; 116 (I G)
 - AND GRUEN, RUTH; 280 (II T)
 - AND INN, E. C. Y., AND WILSON,
 I. B.; 281 (II D); 468 (IV G)
 LA MER, V. K.; SEE GOYER, G. G.
 LA MER, V. K.; SEE LEE, P-K.
 LA MER, V. K.; SET POUND, G. M.
 LANDER, R. H. AND NIELSEN, C. E.;
 117 (I L)
 LANDSBERG, H. E.; 833 (VII G)
 LANE, W. R.; 118 (I M)
 LANGLAIS, S.; 282 (II D)
 LANGSTROTH, G. O., DIEHL, C. H. H.,
 AND WINHOLD, E. J.; 283 (II T)
 LANGSTROTH, G. O.; SEE GILLESPIE, T.
 LANGSTROTH, G. O.; SEE LUCHAK, G.
 LA PORTE, F.; 469 (IV N)
 LAPPLE, C. E.; 661 (V G)
 - AND KAMACK, H. J.; 662 (V S)
 LARSON, G. P., FISCHER, G. I., AND
 HAMMING, W. J.; 834 (VII G)
 LARSON, G. P.; SEE MADER, P. P.
 LASKIN, G.; SET STOKINGER, H. E.
 LASKIN, S.; SEE LAUTERBACH, K. E.
 LAURE, Y.; 663 (V A)
 LAUTERBACH, K. E., LASKIN, S., AND
 LEACH, L.; 470 (IV N)
 LEACH, L.; SEE LAUTERBACH, K. E.
 LEARY, J. A.; 471 (IV N)
 - AND FITZGIBBON, F. J.; 472 (IV N)
 LEBEDINSKIĪ, A. I.; 119 (I M)
 LECLERC, E.; 836 (VII G)
 - AND JORISSEN, A.; 835 (VII S)
 LEDENT, P.; SET BIDLOT, R.
 LEE, P-K., AND LA MER, V. K.; 473
 (IV L)
 LEES, B.; 120 (I S)
 LENDER, V. J., AND MATONŠEK, V.;
 741 (VI A)
 LE ONG, E. R., PEER, K. C., AND
 FANCHER, L. W.; 284 (II P)
 LEONOV, L. F.; SEE PROKHOROV, P. S.
 LE RAT, B.; SEE BRUSSET, H.
 LESSENICH, W.; 285 (II D)
 LEVINE, H. D.; SEE HARRIS, W. B.
 LEWIS, B.; 121 (I Ex)
 LEWIS, D. R.; SEE KAHN, A. H.
 LINDROOS, A. E.; SEE FANOE, F.
 LISKOW, J. G.; 664 (V G)
 LISKOW, J. G. AND BERQUIST, C. J.; 837
 (VII P)
 LITVINOV, V. F., LITVINOVA, N. N., AND
 DABAKH'YAN, M. M.; 474 (IV Samp F)
 LITVINOVA, N. N.; SEE LITVINOV, V. F.
 LIVSHITS, I.; SEE ERENBURG, G.
 LLEWELLYN, F. J.; SEE BOYLE, A. R.
 LLOYD, B.; SEE DAUTREBANDE, L.
 LOCHET, R.; SEE ROUSSET, A.
 LODGE, J. P., JR.; 475 (IV M)
 - AND TUFTS, B. J.; 122 (I M)
 LOFBERG, R. T.; SEE MADER, P. P.
 LOISON, R., AND SARTORIUS, R.; 123
 (I Ex)
 LONG, W. M.; 476 (IV M)
 LOUFOULLAH, N.; SEE PAUTHENIER, M.
 LOVELAND, R. P.; 477 (IV L)
 LOWRY, P. H.; 933 (VIII P); 838 (VII St)
 - AND MAZARELLA, D. A., AND SMITH, M. E.;
 839 (VII St)
 LUCHAK, G. AND LANGSTROTH, G. O.;
 286 (II T)
 LUDLAM, F. H.; 934 (VIII G)
 LUDMILA, J.; 742 (VI A)
 LUDOWITZ, K. L.; 478 (IV L)
 LUDWIG, C.; 350 (III G)
 LUKYANOVICH, V. M. AND RADUSHKEVICH,
 L. V.; 479 (IV V)
 LUNDEN, B. AND CEDERQUIST, K. N.; 480
 (IV M)
 LYKHINA, E.; SEE ERENBURG, G.
 MACDONALD, D. K. C.; 124 (I D)
 MAC PHEE, R. D.; SEE MADER, P. P.
 MADEHEIM, H.; 665 (V M)
 MADER, P. P., MAC PHEE, R. D., LOFBERG,
 R. T., AND LARSON, G. P.; 840 (VII S)
 MAGILL, P. L.; 481 (IV M)
 - AND BENOLIEL, R. W.; 841 (VII G)
 - AND ROLSTON, M., MC LEOD, J. A., AND
 CADLE, R. D.; 482 (IV Samp I)
 MAGILL, P. L.; SEE CADLE, R. D.
 MAGILL, P. L.; SEE SCHATZ, C.
 MAITROT, M.; 125 (I D); 126 (I D)
 MAITROT, M.; SEE THIEBAUD, J.
 MAJOR, W. S.; 842 (VII P)
 MAKKI, M.; SEE BRUSSET, H.
 MANAKIN, B. A.; SEE FEDOSEEV, V. A.
 MANSON, J. E.; 127 (I L)
 MARCH, A.; 843 (VII G)
 MARSH, A.; 844 (VII G); 845 (VII P)
 MARSHAK, F. M.; 287 (II D)

MARSHALL, J. S., EAST, T. W. R.,
 AND GUNN, K. L. S.; 128 (I L)
 MARSHALL, W. R., JR.; 288 (II M)
 MARSHALL, W. R.; SEE RANZ, W. E.
 MARTZNOV, V. M.; 129 (I M)
 MASON, B. J.; 289 (II T)
 MASON, S. G.; SEE HUBLEY, C. E.
 MASSIE, W. H. S.; SEE CUMMING, W. M.
 MATOI, H. J.; SEE ROUNDS, G. L.
 MATOUSEK, V.; SEE LINGER, V. J.
 MATSAK, V.; 846 (VII P)
 MATSAK, V. G.; SEE ROZANOV, L. S.
 MATSUMATO, K.; 130 (I Ex); 131 (I Ex)
 MATTHEWS, J. B.; SEE EVANS, H. C.
 MATTOCKS, G. R.; 290 (II F)
 MAY, H. E.; 666 (V G)
 MAY, K. R.; 291 (II D); 483 (IV N)
 MAYHEW, D. J.; SEE ADAMS, D. F.
 MAZARELLA, D. A.; SEE LOWRY, P. H.
 MC CABE, L.; 847 (VII G); 848 (VII
 G); 849 (VII G); 850 (VII G)
 MC CABE, L. C.; SEE ALLEN, G. H.
 MC CANN, E. B.; SEE CHERRY, G. B.
 MC DONALD, G. E.; SEE SCHALLA, R. L.
 MC GARTY, J. E.; SEE SCOTT, S.
 MC INTYRE, J. T.; 484 (IV M)
 MC KINLEY, D. L.; SEE JOHNSTONE,
 H. F.
 MC LEOD, J. A.; SEE MAGILL, P. L.
 MC MAHON, H. E.; SEE KUNKEL, H. E.
 MEEK, R. L. AND DALLA VALLE, J. M.;
 132 (I Ex)
 MELDAU, R.; 133 (I G); 485 (IV G)
 - AND ROBERTSON, R. H. S.; 134
 (I M)
 MERKLE, T. C. AND NEED, J. L.;
 135 (I M)
 MIEHR, W.; 667 (V G)
 MIHAMA, K.; SEE HONJO, G.
 MITCHELL, E.; SEE DAUTREBANDE, L.
 MIYAKE, S., AND HONJO, G.; 136 (I L)
 MIZUSHINA, T., NAKAJIMA, M., OMOTO,
 T., AND FUKUSEN, H.; 292 (II T)
 MONCHICK, L. AND REISS, H.; 293
 (II T)
 MONKHOUSE, A. C.; 851 (VII P, S)
 MONROE, L.; 668 (V C)
 MONTROSS, C. F.; 669 (V G)
 MOORE, J. C.; 852 (VII P)
 MOPPERT, K. F.; SEE GRÜN, F.
 MORASCHINELLI, E.; 853 (VII S)
 MORAY, M.; 670 (V M)
 MORGAN, H. P.; 854 (VII G)
 MORGAN, K. Z. AND STRAUB, C. P.;
 855 (VII S)
 MOROZ, L. M., AND FRENKEL, Y. I.;
 137 (I D)
 MORRISON, J. A.; SEE YOUNG, D. M.
 MOSCHELLA, R.; SEE FIRST, M. W.
 MOSIER, K. C.; 138 (I M)
 MOULTON, R. W.; SEE TURNER, G. M.
 MUGSELE, R. A. AND EVANS, H. D.;
 139 (I S)
 MÜHLEISEN, R.; SEE HOLL, W.
 MÜLLER, F. H., AND ERBRING, H.;
 140 (I D)
 MULLER, R. H.; 436 (IV L)
 MUNDEN, D. L.; 671 (V F)
 MUNDEN, J. M.; SEE HOW, M. E.
 MUNGER, H. P.; 856 (VII G); 857 (VII S)
 MURAICHI, S. AND NAKAJIMA, S.; 487
 (IV V)
 MUTTERA, W., ZARASNIK, F., NOVAK, R.,
 AND SELHEIMER, C.; 858 (VII P)
 MUTTERA, W.; SEE SELHEIMER, C. W.
 NAGELSCHEIDT, G.; SEE GORDON, R. L.
 NAKADA, Y.; SEE SPROULL, W. T.
 NAKAJIMA, M.; SEE MIZUSHINA, T.
 NAKAJIMA, S.; SEE MURAICHI, S.
 NAKAMURA, S.; SEE KUBO, M.
 NAKAYA, U.; 935 (VIII N)
 NALOKOV, V. A.; SEE SERGIEV, P. G.
 NASSENSTEIN, H.; 488 (IV G); 489
 (IV L)
 NATANSON, G. L.; 141 (I E); 142 (I E)
 NEED, J. L.; SEE MERKLE, T. C.
 NELSON, R. H.; SEE FULTON, R. A.
 NEMATO, S.; SEE TAKAHASHI, Y.
 NEUBAUER, R. L. AND VONNEGUT, B.;
 294 (II D)
 NEUBAUER, R.; SEE VONNEGUT, B.
 NEUMANN, E. P. AND NORTON, J. L.;
 672 (V A)
 NEUMANN, H.; SEE KATCHALSKY, E.
 NEY, L.; SEE SCHADT, C.
 NIELSEN, C. E.; SEE LANDER, R. H.
 NIERADKA, M.; SEE DUBROW, B.
 NISHIHARA, T., KORI, T., AND YOSHIZUMI,
 T.; 673 (V C)
 NOLAN, P. J. AND KENNY, P. J.; 143
 (I E)
 NORD, Melvin; 674 (V A); 859 (VII P)
 NORTON, J. L.; SEE NEUMANN, E. P.
 NOSS, P.; 490 (IV N)
 NOU B. T.; 675 (V A)
 NOVAK, R.; SEE MUTTERA, W.
 NOVAK, R.; SEE SELHEIMER, C. W.
 OBERFELD; SEE KLIWE, H.
 OGAWA, T.; SEE HIBI, T.
 OGIWARA, S., AND KOBAYASHI, T.; 295
 (II T); 936 (VIII N)
 - AND OKITA, T.; 937 (VIII D, N)
 OKADA, M.; SEE OYAMA, Y.
 OKITA, T.; SEE OGIWARA, S.

O'KONSKI, C. T., AND DOYLE, G. J.;
 144 (I L)
 - AND THACHER, H. C., JR.; 145 (I E)
 OKTAY, C. M.; 146 (I M)
 OLDHAM, P. D.; 296 (II M)
 OMOTO, T.; SEE MIZUSHINA, T.
 ORR, C., JR., AND BLOCKER, H. G.;
 147 (I D)
 ORR, C.; SEE HINKLE, B. L.
 OSAWA, K.; SEE YANO, T.
 OSAWA, M.; SEE SAKUI, S.
 OSBERG, G. L. AND CHARLESWORTH,
 D. H.; 491 (IV EL)
 OSTER, G.; 492 (IV L)
 - AND RILEY, D. P.; 143 (I L)
 OYAMA, Y., EGUCHI, M., AND ENDOU, K.;
 149 (I D); 297 (II D)
 - AND ENDOU, K.; 298 (II D)
 - AND INOUE, I., SAWAHATA, Y., AND
 OKADA, M.; 676 (V A)
 - AND YOSHINO, Z.; 677 (V Set)
 PACAULT, A.; 155 (I M); 154 (I M)
 PALMER, F., AND KINSBURY, S. S.;
 493 (IV V)
 PARANJPE, M. M., AND PATEL, D. T.;
 494 (IV L)
 PARKACHEVA, A. I.; SEE VOLOSEVICH,
 G. N.
 PARKER, A.; 860 (VII G)
 PARKER, A.; SEE CHERRY, G. B.
 PATEL, D. T.; SEE PARANJPE, M. M.
 PATIN, L. B.; 861 (VII P)
 PATON, H.; 678 (V M)
 PAUTHENIER, M. AND CHALLAND, R.;
 743 (VI E)
 - AND LOUFOULLAH, N.; 744 (VI A)
 PAXTON, R. R.; 495 (IV V)
 PAYNE, E. C.; 862 (VII P)
 PAYNE, R. E.; SEE EADIE, F. S.
 PEARCE, S. J.; 679 (V F)
 PEER, K. C.; SEE LE ONG, E. R.
 PELLE, M.; SEE LABEYRIE, J.
 PENDLEBURY, E. D.; SEE CORNER, J.
 PEPPERHOFF, W.; 150 (I L)
 PERNOUX, E.; SEE BERNARD, R.
 PERRY, A. S.; SEE HURDIG, H.
 PETERSON, A. H.; SEE GUCKER, F. T.
 PETERSON, E. E.; SEE WALKER, P. J.
 PETERSON, John; 680 (V M)
 PETRYANOV, I., AND ROSENBLUM, I.;
 151 (I M)
 PIDGEON, F. D., AND DODD, C. G.;
 496 (IV N, V)
 PIKE, E. W.; 152 (I E)
 PILCHER, J. M.; 153 (I D)
 PODOLSKY, M.; SEE DE ROBERTIS, E.
 POLLACK, C. N.; 863 (VII G); 864
 (VII P)
 POLLAK, L. W.; 299 (II T)
 POLLARD, R. E.; 497 (IV N)
 POLSON, A.; 156 (I D)
 POPPENDIEK, H. F.; 865 (VII S)
 PORAI - KOSHITS, E. A.; 157 (I L)
 POSTE, E. P.; 866 (VII P)
 POUND, G. M. AND LA MER, V. K.; 300
 (II T); 301 (II T)
 PREWETT, W. C.; SEE WALTON, W. H.
 FRIDANTSEV, M.; 681 (V M)
 PRING, R. T.; SEE SNYDER, C. A.
 PROBSTEIN, R. F.; 302 (II T)
 PROKHOROV, P. S.; 158 (I D)
 - AND DERYAGIN, B. V., AND LEONOV, L.
 351 (IIIB)
 - AND LEONOV, L. F.; 352 (III B)
 QUINOT, M.; 493 (IV M)
 RADCLIFFE, A.; SEE CLARE, H.
 RADCLIFFE, J. C.; 867 (VII G)
 - AND DELHEY, W. F.; 868 (VII C)
 RADFORD, D. E.; 682 (V G)
 RADUSHKEVICH, L. V.; 303 (II T)
 RADUSHKEVICH, L. V.; SEE LUKYANOVICH,
 V. M.
 RAILLERES, R.; SEE AVY, A.
 RALSTON, O. C.; SEE FRASS, F.
 RAMMLER, E.; 869 (VII P, S)
 - AND BREITLING, K.; 499 (IV Samp F)
 RAMSKILL, E. A. AND ANDERSON, W. L.;
 683 (V F)
 RANKINE, A. O.; 160 (I T); 159 (I T)
 RANZ, W. E.; 161 (I D); 870 (VII S)
 - AND MARSHALL, W. R., JR.; 304 (II T)
 - AND WONG, J. B.; 684 (V Set); 500
 (IV Samp I)
 RANZ, W. E.; SEE SAXTON, R. L.
 RANZ, W. E.; SEE WONG, J. B.
 RASBASH, D. J.; SEE BURGOYNE, J. H.
 RAWSON, A. J.; SEE TERVET, J. W.
 RAYNER, A. C., AND HURDIG, H.; 305
 (II D)
 REED, S. G.; SEE HERZFELD, K. F.
 REES, A. L. G., AND SPINK, J. A.;
 162 (I L)
 REES, A. L. G.; SEE COWLEY, J. M.
 REGAN, C. J.; 871 (VII G)
 REICH, B.; 501 (IV Samp M)
 REISS, H.; 306 (II T); 307 (II T);
 308 (II T)
 REISS, H.; SEE MONCHICK, L.
 RETALLICK, W. B.; 309 (II T)
 RHODES, J. E., JR.; 163 (I S)
 RICE, O. R. AND BIGELOW, C. G.; 685
 (V M)
 RICHARDS, S. H.; 872 (VII G)
 RICHARDSON, J. F., AND WOODING, E. R.;
 502 (IV Samp M)
 - AND ZAKI, W. N.; 686 (V Set)

RICHEY, E. P.; SEE ADAMS, D. F.
 RIDEAL, E.; SEE GILLESPIE, T.
 RIEDL, W. J.; 687 (V G); 688 (V A)
 RIGBY, M.; SEE KRAMER, H. P.
 RILEY, D. P.; SEE OSTER, G.
 RISEMAN, J.; 503 (IV L)
 RITCHIE, P. D.; SEE CLELLAND, C. W.
 RITCHIE, P. D.; SEE CUMMING, W. M.
 RITCHIE, P. D.; SEE DEMPSTER, P. B.
 RITCHIE, P. D.; SEE GIBB, J. G.
 ROACH, S. A.; 873 (VII S)
 ROBERTS, J. M. AND BEAVER, C. E.; 745
 (VI G)
 ROBERTS, L. M.; SEE WHITE, H. J.
 ROBERTSON, A. A.; SEE HUBLEY, C. E.
 ROBERTSON, R. H. S.; SEE MELDAU, R.
 RODEDUCH, W. H.; 310 (II T); 311
 (II T)
 RODGER, W. D., FINEMAN, P., AND
 SWOPE, H. S.; 874 (VII P)
 ROGERS, E. E.; SEE YEOMANS, A. H.
 ROLSTON, M.; SEE MAGILL, P. L.
 ROSE, E. L.; 164 (I St)
 ROSE, H. E.; 506 (IV L); 504 (IV L)
 ROSENBLUHM, I.; SEE PETRYANOV, I.
 ROSENQUET, C. H., CAREY, W. F., AND
 HALTON, E. M.; 639 (V Ex)
 ROSS, A. M.; SEE GOSS, A. E.
 ROSS, D. G.; 505 (IV L,N)
 ROSSANO, A. T., JR., AND SILVERMAN,
 L.; 690 (V Set)
 ROUNDS, G. L., AND MATOI, H. J.;
 507 (IV Samp E)
 ROUSE, MUNTER; 875 (VII S)
 ROUSSET, A., AND LOCHET, R.; 165
 (I L)
 ROWLAND, P. R.; 508 (IV L)
 ROZANOV, L. S., MATSAK, V. G., AND
 SHERESHEVSKAYA, I. S.; 876 (VII F)
 RUBAN, V. L.; SEE SPERNOV, N. I.
 RUBIN, S.; SEE CADLE, R. D.
 RUFF, R. J.; 877 (VII P); 691 (V Ex)
 RUSKUL, WALENTYNA; 878 (VII S)
 RYKHTER, E. V.; 509 (IV Samp M)
 SACHSSE, H.; SEE BARTHOLOME, E.
 SAHA, N. K.; SEE AGRAWALA, B. K.
 SAKATA, S.; SEE SANO, I.
 SAKUI, S. AND OSAMA, M.; 166 (I E,D)
 SANDS, A. E.; SEE EGLESON, G. E.
 SANNA, D.; SEE THIBAUT, Ch.G.
 SANO, I., FUJITANI, Y., ITO, S.,
 FUJITANI, Y., HITOMI, T., AND
 YAMADA, K.; 167 (I S)
 - AND FUJITANI, Y., AND SAKATA, S.;
 168 (I S,E)
 - AND FUJITANI, Y., AND SUGIYAMA, K.;
 510 (IV M)
 - AND FUJITANI, Y., AND TSUDA, S.;
 169 (I S)
 SARJANT, R. J.; 879 (VII G)
 SARTORIUS, R.; SEE LOISON, R.
 SASAKI, Y.; SEE SUITO, E.
 SAUERMAW, Werner.; 692 (V F,C)
 SAUNDERS, B. G.; 746 (VI T,E); 511
 (IV N)
 SAVICH, P. AND SHAL'NIKOV, A.; 353
 (III B)
 SAVIN, V. A.; 512 (IV V)
 SAWAHATA, Y.; SEE OYAMA, Y.
 SAWYER, F. G.; 880 (VII G)
 SAWYER, K. F. AND WALTON, W. H.; 513
 (IV Samp M)
 SAXON, R. B.; SEE TERVET, J. W.
 SAXTON, R. L. AND RANZ, W. E.; 170
 (I T)
 SAYLES, C. D.; SEE FITTON, A.
 SCHACHMAN, H. K.; SEE CHENG, P. Y.
 SCHADT, C., MAGILL, P. L., CADLE, R. D.,
 AND NEY, L.; 747 (VI A)
 SCHADT, C. F.; SEE CADLE, R. D.
 SCHAEFER, V. J.; 312 (II T)
 SCHAFER, L. J.; SEE CHOLAK, J.
 SCHALLA, R. L. AND MC DONALD, G. E.;
 313 (II F)
 SCHAUER, P. J.; 693 (V G)
 SCHEIBLING, G.; SEE WIPPLER, C.
 SCHELL, N. E.; SEE STALKER, W. W.
 SCHIFF, D., SCHIFF, H. I. S. AND GENDRON
 P. R.; 314 (II T)
 SCHIFF, H. I. S.; SEE SCHIFF, D.
 SCHLÄFFER, P.; 171 (I Ex)
 SCHNEIDER, F. B.; 694 (V C)
 SCHRENK, H. H.; 881 (VII G)
 SCHRENK, H. H.; SEE BROWN, C. E.
 SCHUBERT, Y. AND KOPELMAN, B.; 514
 (IV L)
 SCHULTZ, R. F.; 882 (VII P)
 SCHULZ, G.; SEE COOLIDGE, J. E.
 SCHÜRMAN, D.; SEE KNOP, W.
 SCHWECKENDIEK, O. E.; 172 (I E)
 SCHWEYER, H. E.; 173 (I S)
 SCOTT, STANLEY; 883 (VII G)
 - AND MC GARTY, J. E.; 884 (VII P)
 SECREST, J. P.; SEE EATON, C. B.
 SEELY, B. K.; 515 (IV V)
 SEELY, B. K.; SEE SMITH, E. J.
 SEGAL, R. B.; 174 (I St); 315 (II T)
 SEHL, F. W. AND HAVENS, B. J., JR.;
 516 (IV Samp F)
 SEIBERT, C. B.; SEE STONE, D. E.
 SEIFERT, H.; 175 (I M)
 SELHEIMER, C. W. AND BAUMAN, H. F.;
 885 (VII P)
 - AND MUTTERA, W., ZARASNIK, F. AND
 NOVAK, R.; 517 (IV M)

SELHEIMER, C.; SEE MUTTERA, W.
 SEMENCHENKO, V.; 176 (I St)
 SENSENBAUGH, J. D.; SEE HEMMON, W.
 C. L.
 SERGIEV, P. G., NALOKOV, A. V., AND
 BURLEI, V. V.; 316 (II P)
 SEROV, V. N.; 886 (VII P)
 SETTERLIND, ALFRED N.; 695 (V G)
 SHABALIN, K. N.; SEE DOROGOI, V. P.
 SHAL'NIKOV, A.; SEE SAVICH, P.
 SHARPE, J. W. AND HOUNAM, R. F.;
 518 (IV V)
 SHARPE, J. W.; SEE GIBB, J. G.
 SHARPE, N.; 887 (VII G)
 SHAVER, J.; SEE DAUTREBANDE, L.
 SHCHERBLOV, L. M.; 177 (I M)
 SHEKHTER, A. B.; SEE ECHTISTOVA, A. I.
 SHEPPARD, P. A.; 938 (VIII P,N)
 SHERESHEVSKAYA, I. S.; SEE ROZANOV,
 L. S.
 SHIFRIN, K. S.; 178 (I L)
 SHIMADZU, S.; 179 (I M)
 SHINKOSKEY, R. E.; 696 (V F)
 SHUGERT, J. L.; SEE WILLIAMSON, W. C.
 SHVARTS, Ya. I., BEREZMAN, R. I. AND
 ZIL'BERG, L. A.; 888 (VII S); 939
 VIII D)
 SIEGEL, B. M.; SEE HARRIS, L.
 SILVERMAN, L.; 697 (V G); 889 (VII G);
 698 (V G)
 - AND CONNERS, E. W., JR., AND
 ANDERSON, D. M.; 699 (V F)
 - AND FIRST, M. W.; 700 (V F)
 - AND VILES, F. J., JR.; 519 (IV G)
 SILVERMAN, L.; SEE BERLY, E. M.
 SILVERMAN, L.; SEE COLEMAN, R. D.
 SILVERMAN, L.; SEE DENNIS, R.
 SILVERMAN, L.; SEE FIRST, M. W.
 SILVERMAN, L.; SEE FRIEDLANDER, S. K.
 SILVERMAN, L.; SEE ROSSANO, A. T.
 SIMONS, H. P.; SEE EGGLESON, G. E.
 SIMONSEN, R. N.; SEE KROPP, E. P.
 SIMPSON, H. C.; SEE HOTTEL, H. C.
 SITTENFIELD, MARCUS; 890 (VII St);
 891 (VII G)
 SKACHKO, M. F. AND UZHOV, V. N.;
 892 (VII P)
 SKINNER, D. G. AND BOAS-TRAUBE, S.;
 520 (IV L)
 SLACK, A.; SEE DAVES, J. G.
 SLIEPCEVICH, C. M.; SEE GUMPRECHT,
 R. O.
 SMIRNOV, L. V., AND BAZHENOV, N. M.;
 180 (I L)
 SMIRNOV, N. I., AND RUBAN, V. L.;
 181 (I D); 182 (I D)
 SMIRNOV, N. S.; 317 (II D)
 SMITH, B. O. AND CARLISLE, S. S.;
 521 (IV L)
 SMITH, B.; SEE KRAUS, E. B.
 SMITH, C. E.; 893 (VII G)
 SMITH, E. J., HEFFERNAN, K. J., AND
 SEELY, B. K.; 940 (VIII N)
 SMITH, M. E.; SEE LOWRY, P. H.
 SMITH, M. L.; 522 (IV V)
 SMITH, W. J. AND SUPRENTANT, N. F.;
 523 (IV Samp F)
 SMITH, W. J.; SEE STAFFORD, E.
 SNYDER, C. A., AND PRING, R. T.;
 701 (V F)
 SODERBERG, C. R., JR.; 702 (V A)
 SOET, J. C.; 894 (VII G)
 SOLLNER, KARL; 183 (I A)
 SOMA, S.; SEE TAKAHASHI, Y.
 SONKIN, L. S.; 524 (IV Samp I)
 SOSINSKY, M.; SEE TSEVETKOV, V.
 SPEKTOR, A. G.; 184 (I M)
 SPINK, J. A.; SEE COWLEY, J. M.
 SPINK, J. A.; SEE REES, A. L. G.
 SPITZER, L., JR.; 941 (VIII P)
 - AND TUKEY, J. W.; 185 (I L)
 SPROULL, Wayne T.; 703 (V G); 748 (VI
 A)
 - AND NAKADA, Y.; 749 (VI E)
 STAFFORD, EARL AND SMITH, W. J.; 704
 (V F)
 STAHL, P.; SEE DESSENS, H.
 STAIRMAND, C. J.; 525 (IV G); 526
 (IV M); 705 (V Set); 527 (IV Samp F);
 528 (IV El)
 STALKER, W. W.; 895 (VII S); 896 (VII
 P)
 STANLEY, E.; SEE VOLD, M. J.
 STARODUBTSEV, S. YA.; 529 (IV M)
 STAUFF, J.; 186 (I M); 187 (I St)
 STAVELY, L. A. K.; SEE DE NORDWALL, H. J.
 STEADMAN, L. T.; SEE STOKINGER, H. E.
 STEINEOCK, R. S.; 897 (VII P,St); 898
 (VII P,St); 899 (VII P,St); 900
 (VII P,St)
 STERN, A. C. AND GREENBURG, L.;
 901 (VII G)
 STEWART, W. L., JR.; 706 (V G)
 STOECKER, W. F.; 530 (IV L)
 STOKES, C. A.; 707 (V A)
 - AND VIVIAN, J. E.; 708 (V A)
 STOKINGER, H. E.; 902 (VII S)
 - AND LASKIN, G.; 903 (VII S)
 - AND STEADMAN, L. T., WILSON, H. B.,
 SYLVESTER, G. E., DZIUBA, AND LA
 BELLE, C. W.; 904 (VII S)
 STONE, D. E., KANE, L. J., CORRIGAN
 T. E., WAINWRIGHT, H. W., AND SEIBERT,
 C. B.; 531 (IV L)

STOYANOVSKII, A. F.; 532 (IV N)
 STRAUB, C. P.; SEE MORGAN, K. Z.
 STRETT, L. P.; SEE BOURNE, H. G.
 STRESEN-REUTER, A. P.; 905 (VII P)
 STRIBLING, GEORGE; 318 (II D)
 STRINGER, J.; 188 (I D); 189 (I D)
 STROBACH, W.; 319 (II D)
 STROM, G. H.; 906 (VII St)
 - AND INGRAM, W. T.; 907 (VII G)
 STRÖMGREN, B.; 190 (I M)
 STUBBS, H. E.; SEE YORK, J. L.
 SUGAWARA, K.; 942 (VIII P)
 SUGIURA, Y.; SEE TAKAHASHI, Y.
 SUGIYAMA, K.; SEE SANO, I.
 SUITO, EIJI; 533 (IV N)
 - AND UEDA, N., AND SASAKI, Y.;
 191 (I L)
 SULLIVAN, W. N.; 320 (II P)
 SUSPENANT, N. F.; SEE SMITH, W. J.
 SUTTON, O. G.; 943 (VIII P)
 SUZUKI, SHO; 534 (IV V); 535 (IV V);
 192 (I L)
 SWINGS, P.; 944 (VIII M)
 SWOPE, H. S.; SEE RODGER, W. D.
 SYKES, W. AND BROOMHEAD, F.; 750
 (VI G); 751 (VI G)
 SYLVESTER, G. E.; SEE STOKINGER, H. E.
 TABIBIAN, R. M.; SEE HELLER, W.
 TAKAGI, R.; 536 (IV V, L)
 TAKAGI, S.; 193 (I T)
 TAKAHASHI, Y., SOMA, S., NEMATO, S.,
 UCHIDA, E., KUDŌ, T., AND SUGIURA,
 Y.; 945 (VIII N)
 TANASAWA, Y. AND KOBAYASHI, K.; 321
 (II T)
 TANNO, H., KOJIMA, K., KONEDA, I.,
 KITAMURA, K.; 752 (VI A)
 TARJAN, G.; 571 (V C)
 TASSLER, M. C.; SEE JOHNSTONE, H. F.
 TAUZIN, F.; SEE BOUGHARD, J.
 TAYLOR, E. H. AND HARMON, D. B., JR.;
 537 (IV N)
 TEBBENS, B. D., AND TONEY, J. D.;
 538 (IV M)
 TEGTMEYER, H.; 709 (V G)
 TEICHNER, S.; SEE BERNARD, R.
 TELLE, O.; 539 (IV L)
 TERHINDEN, A. J.; 710 (V C); 711
 (V C)
 TERVET, J. W., RAWSON, A. J., CHERRY,
 E., AND SAXON, R. B.; 712 (V C)
 TESKE, ARMIN; 194 (I D)
 TEVEROSKII, E. N.; SEE BYKOV, A. G.
 TEVEROVSKII, E. N.; SEE ZAITSEV, M. M.
 THACHER, H. C., JR.; 195 (I E)
 THACHER, H. C.; SEE O'KONSKI, C. T.
 THIBAUT, CH. G., SANNA, D., AND
 DOUEZ, F.; 540 (IV M)
 THIEBAUD, J., MAITROT, M., AND
 BERTHIER, J.; 196 (I D)
 THIEDE, HEINZ; 713 (V A)
 THIELE, H.; 322 (II T)
 THOMAS, J. W.; 541 (IV M)
 THOMAS, J. W.; SEE DE MARCUS, W. C.
 THOMAS, M. D.; 908 (VII G)
 THOMAS, M.; SEE HILL, G. R.
 THOMPSON, E.; SEE DAUTREBANDE, L.
 TIDESWELL, F. V.; 714 (V G)
 TODES, O. M.; 323 (II T); 354 (III G)
 TOLLERT, H.; 198 (I D)
 TOMSON, N. M.; 909 (VII S)
 TONEY, J. D.; SEE TEBBENS, B. D.
 TONNELAT, JACQUES; 197 (I L)
 TOUZALIN, R. E.; 753 (VI A); 715 (V G)
 TREICHLER, R.; 199 (I M)
 TROESCH, H. A.; 324 (II D)
 TSCHELSHVILE, L.; SEE DIETZAL, A.
 TSEVETKOV, V. AND SOSINSKY, M.; 200
 (I M)
 TSUDA, S.; SEE SANO, I.
 TSUJI, M.; 325 (II T); 326 (II T);
 355 (III B)
 - AND HATTORI, I.; 201 (I S)
 TUFTS, B. J.; SEE LODGE, J. P.
 TUKEY, J. W.; SEE SPITZER, L.
 TURKEVICH, J., HUBBELL, H. H., AND
 HILLIER, J.; 542 (IV L, V)
 TURNBULL, D.; 327 (II T)
 TURNER, G. M. AND MOULTON, R. W.;
 202 (I S)
 TUTTLE, W.; 328 (II D)
 TVERSKAYA, N. P.; 329 (II T); 330
 (II T)
 TWOMEY, S.; 910 (VII S)
 UCHIBORI, T.; SEE INOUE, K.
 UCHIDA, E.; SEE TAKAHASHI, Y.
 UEDA, N.; SEE SUITO, E.
 UL'YANOV, I. E.; 331 (II P)
 USFENSKII, V. A.; 203 (I D)
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