- Adamo II, Maretti, a, III-67
- adaptive systems, I-55
- Addendum to the Paper "Some Problems in the Formalization of Syntax, " Revzin, a, IV-81
- Agricola: a, Elektronische Analyse und Synthese in der Sprachwissenschaft, V-47
- Ajdukiewicz, IV-61
- alphabet, III-8
- alphabet, coding, I-42
- alphabet, Cyrillic coding, IV-76, V-3
- als ob-Satze, IV-30
- Ambiguity of Syntactic Function Resolved by Linear Context, Koutsoudas and Humeck a, V-47
- ambiguity and narrow context, II- 39
- ambiguity, semantic, IV-68
- Analogy between Mechanical Translation and Library Retrieval; Masterman, Needham, and Jones, a, V-91
- Andreyev: a, Machine Translation and the Problem of an Intermediary Language, IV 47
- ----: V-96, V-103, V-107
- Applegate, III-45
- Arabic, V-96
- Armenian, V-97
- Arxangel'skij, V-109
- as if-clauses, IV-30
- Austin, III-1
- automatic dictionary, I-23, IV-14, V-2
- Automatic Digital Calculators, A. D. Booth and K. H. V. Booth, a, I-17
- Automatic Translation, Panov, a, III-65, V-45
- Automation of Translation from One Language into Another: Panov, Ljapunov, and Mukhin, a. V-47
- Babel, III-31
- Bar-Hillel: a, Can Translation be Mechanized? I-17, II-61, III-67
 - a, Machine Translation, I-15
 - a, Mechanical Translation: Needs and Possibilities, I-5
 - a, Operational Grammar, I-7
 - a, The Present State of Research on
 - Mechanical Translation, I-5
- ---- a, A Quasi-Arithmetical Notation for Syntactic Description, I-11
- ---- a, Some Linguistic Problems Connected

- with Machine Translation, I-13
- : a, The Treatment of "idioms" by a Translating Machine, I-7
- ----: 1952 conference, I-23, I-47
- ----: II-27, II-49, IV-11, IV-61
- Barxudarov: a, On the Problem of the Potentialities of Machine Translation, IV-79 ----: V-103, V-104, V-107
- Bastin: a, General Mathematical Problems Involved in Mechanical Translation, III-6 --: II-27, III-2, IV-41
- Bazilevkij, V-109
- Beebe-Center: Some Psychological Methods for Evaluating the Quality of Translations, III-
- Belskaya: a, Certain Problems of Automatic Translation, IV-45
- ----: a, Machine Translation of Languages, V-47
- ----: III-43, V-95, V-101, V-100
- Berkov: a, Concerning Attempts at Machine Translation, II-61
- bibliography, adaptive systems, I-55
- Bibliography of Interlingual Scientific and Technical Dictionaries, Holmstrom, a, III-89
- Bibliography of Monolingual Scientific and Technical Glossaries, Wuster, a, III-89
- bibliography of Russian sources, V-107
- bibliography, statistical linguistics, I-55
- bibliography, word count, I-19
- binary search, IV-54
- Booth: a, Automatic Digital Calculators, I-17
- ----: a, Machine Translation of Languages, II-25
- ----: a, Mechanical Resolution of Linguistic Problems, IV-47
- ----: a, Mechanical Translation, I-13, IV-47
- ----: a, Present Objectives of MT Research in the United Kingdom, III-63
 - : a, Scientific Papers and Scientific Language, II-61
 - : a, Some Methods of Mechanized Translation, I-9
 - : a, Use of a Computing Machine as a Mechanical Dictionary, II-61
- ----: Machine Translation of Languages, I-19
- ----: 1952 conference, I-24, I-48, I-53
- ----: I-23, I-55, II-1, II-27, III-52, V-114
- bracketing procedure, IV-54

- Braille Transcription, Cleave, II-50
- Braithwaith, II-27, III-2
- Brandwood: Mechanical Translation of French, **III-52**
- ----: Some Problems in the Mechanical Translation of German, V-60
- ----: a, Mechanical Resolution of Linguistic Problems, IV-47
- ----: a, Previous Experiments in Mechanical Translation, III-63
- ----: a, The Translation of a Foreign Language by Machine, III-63
- ----: IV-51, V-114
- Bronowski: a, The Theory and Philosophy of Language, III-12
- ----: II-27, III-2
- Brower: a, On Translation, V-123
- Brown: a, Language Translation, IV-79
- ----: II-27, III-Ī, IV-51
- Bruk, V-105
- Buck, 1952 conference, I-24
- Buckland, II-49
- Bull: a, Problems of Vocabulary Frequency and Distribution, I-7
- ----: word count bibliography, I-19
- -----: 1952 conference, I-24, I-50, I-52
- Burmese, V-96
- Cambridge Language Research Group, II-27 III-2
- ----: grant, III-71
- ---- : Report on Research, III-36
- Can Translation be Mechanized? Bar-Hillel, a, I-17, II-61, III-67
- Gary: a, Me'canismes et Traduction, III-63
- Ceccato: a, La grammatica inseguata alle macchine, III-29
- Ceccato, II-27, III-71
- Certain Linguistic Problems in Machine Translation: Moloshnaya, Purto, Revzin, and Rozentsveig, a, V-43
- Certain Problems of Automatic Translation: Bel'skaya, Korlev, Mukhin, Panov, and Razumovskiy, a, IV-45
- Certain Questions of Syntax in Connection with Machine Translation from English to Russian, Moloshnaya, a, IV-45
- Chadwick, II-27, III-2
- Cherenin, V-108
- Chinese, I-26, I-31, III-4, III-14, III-43, V-96
- Chomsky: a, Syntactic Structures, III-89
- ----: III-45, IV-5, IV-28, V-68, V-72, V-102, V-110, V-114
- Cleave: Braille Transcription, II-50
- ----: A Model for Mechanical Translation, IV-2
- ---- : A Type of Program for Mechanical Trans-

- lation, IV-54
- -----: a, Language Translation by Electronics, II-61
- -----: a, Mechanical Resolution of Linguistic Problems, IV-47
- -----: I-55, H-27, V-114
- code, language as a, II-29
- Coding and Code Compression, Korolev, a, IV-45
- coding of alphabet, I-42
- coding, Cyrillic alphabet IV-76, V-3
- Collinge, II-27
- COMIT, V-25, V-116
- compound nouns, splitting, II-3
- compression of dictionary entries, V-75
- Computing Machines for Language Translation, Stout, I-41
- Computer as a Translator, Koutsoudas and Korfhage, a, III-69
- Concerning Attempts at Machine Translation, Berkov and Ershov, a, II-61
- Concerning the Problem of Machine Translation of Languages, Panov, a, III-65
- Concerning a Russian Frequency Dictionary Based on the Material in Mathematics Texts: Voltzkaya, Shelimova, Shumilina, Mel'chuk, and Moloshnaya, a, V-80
- Conference on Mechanical Translation (1952), Reynolds, I-47
- conference, 1952, I-23
- conference London, II-27
- conference, Cleveland, II-49
- conference, Namur, III-l
- conference, 1956, III-1, III-32 conference, 1957, III-71
- Conference on Problems of Development and Construction of Information Machines, Mel'chuk, a, IV-47
- conference, 1958, Moscow, IV-51
- conference, Fourth International Congress of Slavicists. V-95
- conference, National Symposium, 1960, V-93
- context and ambiguity, II-39
- context classes, II-36
- context, immediate, IV-54
- contest, use of preceding, IV-2
- Contextual Analysis, Harper, IV-70
- Contextual Analysis in Word-for-Word MT, Harper, III-40
- Cooper: The Storage Problem, V-74

Crossland: Graphic Linguistics and its Terminology, III-8

- decomposition of compounds, II-3
- demonstration machine, II-27
- dictionary, V-8, V-51, V-95, V-116
- dictionary, braille, II-50

dictionary, splitting of compounds, II-3 dictionary, stem-ending, III-52 dictionary storage problem, V-74 dictionary subroutines, IV-54 dictionary translation, II-15 Dinneen, IV-51 Distribution of Word Length in Technical Russian, Oettinger, I-38 Dobruskin, V-97, V-109 Dodd: a, Model English for Mechanical Translation, I-7 ----: 1952 conference, I-24, I-49 Dorodnitsyn, V-105 Dostert: Organization and Method in Mechanical Translation Work, III-35 ----: a, News release, I-17 ----: 1952 conference, I-24, I-48 ----: I-19, I-55, II-49, III-1, III-32 Douthwaite: a, The UW Automatic Language Translator, III-67

dictionary file available, V-93

dictionary search, I-44

dictionary, reduction in size, IV-11

- drum, I-43
- Dudintsev, V-106

Edmundson: Research Methodology for Machine Translation, V-8
: a, Manual for Keypunching Russian Scientific Text (Studies in Machine Translation -

5), IV-81

: a, Research Methodology (Studies in Machine Translation - 2), IV-49

- ----: a, Resume of Machine Codes and Card Formats (Studies in Machine Translation -3), V-45
- ----: a, Studies in Machine Translation 1: Survey and Critique, IV-79
- ----: V-111
- Effimov, III-43
- Electronic Computer Program for Translating Chinese into English, Parker-Rhodes, III-14
- Elektronische Analyse und Synthese in der Sprachwissenschaft, Agricola, a, V-47
- employment opportunities in MT, I-20
- endings, III-53
- Engineering Progress in Machine Translation Wall, a, III-67
- Ershov: a, Concerning Attempts at Machine Translation, II-61
- evaluating quality, III-73
- Experimental Study of Ambiguity and Context, Kaplan, II-39
- Experimental Study of Automatic Language Translation, Giuliano, a, V-91
- Experiment of the Machine Translation of

Languages Carried out on the BESM, Mukhin, a, III-29

- Experimental Machine Translation of Russian to English, Swanson, a, V-91
- Fano, IV-51
- Firth: a, Linguistic Analysis and Translation, III-3
- -----: a, Linguistic Analysis and Translation, III-65
- ----: II-27, III-2
- Fletcher: a, Proposals for the Mechanical Resolution of German Syntax Patterns, I-3 ----: IV-61, V-114
- Forrester, 1952 conference, I-24, I-53
- Form Classes: Structural Linguistics and Mechanical Translation, Micklesen, a, III-65
- Fourth International Congress of Slavicists, V-95
- A Framework for Syntactic Translation, Yngve, IV-59
- frequency counts, IV-11
- frequencies, vocabulary, I-25
- Fries, IV-18, V-68, V-97

Fundamental Problems of Machine Translation: Kuznetsov, Lyapunov and Reformatskiy, a, III-89

- Garvin: a, News release, I-17
- ----: a, Some Linguistic Problems in Machine Translation, III-65
- ----: II-49, III-1
- General Mathematical Problems Involved in Mechanical Translation, Bastin, a, III-6
- General MT and Universal Grammar (SIMT, No. 4), Reifler, a, I-9
- General Principles of Machine Translation from the Chinese Language, Sofronov, a, V-121
- Georgian, V-97
- German Sentence Recognition, Matthews and Rogovin, V-114
- Ghosh, II-27
- Giuliano: a, An Experimental Study of Automa-
- tic Language Translation, V-91
- Glazer, V-69, V-73
- Glossary of Russian Physics on Punched Cards: Harper, Hays, and Koutsoudas, a, IV-79
- glossary of Russian Physics on punched cards, available, IV-1
- Code: The Signal System in Interlingua, II-55
- Good, V-67
- Gough, IV-51
- Gould: Multiple Correspondence, IV-14
- Gould, V-68, V-73, V-115
- Gourdon: patent, a, I-57
- grammatical information, abstraction of, I-27
- grammatica insegnata alle macchine, Ceccato,

Five Year Index

a. III-29 grammar, structural, IV-5 Grammaire universelle pour machines a traduire, Poulet, a, IV-45 grammar, use of, IV-62 grapheme, III-8 Graphic Linguistics and its Terminology, Crossland, III-8 guessing, III-38 Gutenmaxer, V-108 Haas, V-l Halliday: The Linguistic Basis of a Mechanical Thesaurus, III-81 ----: II-27, III-2, III-36, IV-35 Halpin: a, Russian Physics Vocabulary, with Frequency Count (Research in Machine Translation: II), V-45 Harkin, 1952 conference, I-24 Harper: Contextual Analysis, IV-70 ---- Contextual Analysis in Word-for-Word MT, III-40 ---- Semantic Ambiguity, IV-68 ---- a, A Glossary of Russian Physics on Punched Cards, IV-79 ---- a, The Mechanical Translation of Russian: A Preliminary Report, I-13 ---- a, Studies in Machine Translation - 1: Survey and Critique, IV-79 ---- a, Translating Russian by Machine, II-25 ---- II-49, IV-1, IV-66, V-111, V-115 Harris, IV-61 Hays, Order of Subject and Object in Scientific Russian, V-111 : Research Methodology for Machine Translation, V-8 --: a, A Glossary of Russian Physics on Punched Cards, IV-79 : a, Manual for Keypunching Russian Scientific Text (Studies in Machine Translation -5), IV-81 : Research Methodology (Studies in Machine Translation - 2), IV-49 ----: Resume of Machine Codes and Card Formats (Studies in Machine Translation -3), V-45 ----: a, Studies in Machine Translation - 1: Survey and Critique, IV-79 ----: III-32, IV-1 Heberden: a. Teaching the Machine Grammar, III-63 Helmer: a. The Structure of the Problem of Mechanical Translation, I-5 ----: 1952 conference, I-24 Henyey, V-l Hill, II-27, II-49, III-31, III-33 Holmstrom: a, Bibliography of Interlingual

Scientific and Technical Dictionaries, III-89 : a, Unesco Report on Technical Translating and Related Problems, I-15 Holt: a, Proposals for an Electronic Translating Machine with Microfilm Memory, I-17 Honda, V-49 ----: correction, V-94 Hope, II-27 Hoskyns, II-27, IV-41 Humecky: a, Ambiguity of Syntactic Function Resolved by Linear Context, V-47 Hungarian, V-96 Hurd: a, News release, I-17 Huskey, 1952 conference, I-24, I-50, I-53 Idioglossary for Mechanical Translation, Oswald and Lawson, a, I-15 idioglossaries, I-25 Indonesian, V-96 Input Device for the Harvard Automatic Dictionary, Oettinger, V-2 input devices, I-42 Interlingua, II-55 Interlingual Machine Translation, Richens, a, V-91 intermediate language, I-27, II-30, II-55, III-24, III-43, IV-37, V-51, V-96 Invariant Syntax as Prerequisite of all Translation, Wundheiler, a, I-13 Italian, III-2 Ivanov, V-97, V-98, V-107, V-110 Jakobson, IV-51, V-1 Janov, V-106, V-108 Japanese, III-43, V-49, V-94, V-96 Johnson: a, Logical Processing and Context Analysis in Mechanical Translation, V-45 Jones: a, The Analogy between Mechanical Translation and Library Retrieval, V-91 ----: IV-41 Joos, II-49, V-67, V-103 Josselson, V-l Kantorovich, V-108 Kaplan: An Experimental Study of Ambiguity and Context, II-39 ----: V-69, V-115 Karibskij, V-105 Kartsev, V-109 Keldysh, V-106 Khodzinskaya, III-43 Kilminster, II-27, III-2 King, G., Stochastic Methods of Mechanical Translation, III-38 ----: V-69 King, I.R., II-27 Kitov, V-106, V-107, V-109

128

Knowlton: a, A Notation System for Transliterating Technical and Scientific Texts, V-123 Kolmogorov, V-97, V-105 Kolshanskij: a, On the Problem of the Potentialities of Machine Translation, IV-79 ---- :V-102, V-104, V-107, V-109 Korfhage: Mechanical Translation and the Problem of Multiple Meaning, III-46 ----: a, The Computer as a Translator, III-69 ---- : V-115 Korolev: a, Certain Problems of Automatic Translation, IV-45 ----: a, Coding and Code Compression, IV-45 ---- : a, Method of Selecting the Required Words from the Dictionary, V-121 ---- : III-42, V-104, V-107 Koutsoudas: a, Ambiguity of Syntactic Function Resolved by Linear Context, V-47 ----: a, The Computer as a Translator, III-69 ---- : a, A Glossary of Russian Physics on Punched Cards, IV-79 ---- : Mechanical Translation and the Problem of Multiple Meaning, III-46 : Mechanical Translation Work at the University of Michigan, III-34 ---- : a, Mechanical Translation and Zipf's Law, IV-49 ---- : a, Russian Physics Vocabulary, with Frequency Count (Research in Machine Translation: II), V-45 ----- : II-49, III-32, IV-1, V-67, V-115 Krinitskij, V-109 Kulagina: a, Machine Translation from French, V-121 ----: a, Machine Translation from French to Russian, III-91 ----: a, On a Method for Defining Linguistic Concepts, IV-81 ----: a, The Operator Description of Translation Algorithms, V-123 ----: a, The Utilization of Calculating Machines for Translation from One Language into Another, IV-45 ----: V-95, V-96, V-98, V-102, V-104, V-107, V-109 Kuznetsov: a, Fundamental Problems of Machine Translation, III-89

----: V, 97, V-106, V-107, V-110

- Lamb, V-l
- Langleben, V-100
- Language Translation, Brown, a, IV-79
- Language Translation by Electronics, Cleave and Zacharov, a, II-61
- lattice, III-6, III-25
- Lawson: a, An Idioglossary for Mechanical Translation, I-15

- Lebedev, II-49, V-108
- Lees: Structural Grammars, IV-5
- ----: III-45, V-115
- Lehiste: Order of Subject and Predicate in Scientific Russian, IV-66
- ----: V-111
- Lehman, IV-61, V-l
- Leont'eva, V-100
- Limits of Applicability of Machine Translation, Zhirkov, a, III-91
- Linguistic Analysis and Translation, Firth, a, III-3
- Linguistic Analysis and Translation, Firth, a, III-65
- Linguistic and Engineering Studies in the Automatic Translation of Scientific Russian to English, Reifler, a, V-85
- Linguistic Basis of a Mechanical Thesaurus, Halliday, III-81
- Lju Jun-tsjuan', V-110
- Locke: a, Machine Translation of Languages, II-25
- ----: a, Translation by Machine II-61
- ----: Machine Translation of Languages, I-19
- ----: 1952 conference, I-24, I-51
- ----: I-55, II-1, 11-49
- logic, III-5
- Logical Processing and Context Analysis in Mechanical Translation, Johnson and Wall, a, V-45
- Lopatkin, V-106
- Luhn, V-68
- Lyapunov: a, Automation of Translation from One Language into Another, V-47
- ---- : a, Fundamental Problems of Machine Translation, III-89
- ----: a, The Utilization of Calculating Machines for Translation from One Language into Another, IV-45
- ----- : V-95, V-97, V-102, V-104, V-106, V-107, V-109
- Machine and the Man, Yngve, I-21
- Machine Techniques for Index Searching and for Machine Translation, Perry, a, I-5
- Machine Techniques for Index Searching and for Machine Translation, Perry, a, I-11
- Machine Translates from One Language to Another, a, III-67
- Machine Translation, Bar-Hillel, a, I-15
- Machine Translation, Locke and Booth, I-19
- Machine Translation and the Problem of an Intermediary Language, Andreyev, a, IV-47
- Machine Translation, collection of Russian articles, a, V-87
- Machine Translation Development at the Uni-

versity of Washington, Reifler, III-33

Machine Translation from French, Kulagina, a, V-121

- Machine Translation from French to Russian, Kulagina and Mel'chuk, a, III-91
- Machine Translation from Hungarian into Russian, Mel'chuk, a, V-87
- Machine Translation of Languages, II-1
- Machine Translation of Languages, Belskaja, a, V-47
- Machine Translation of Languages, Locke and Booth, a, II-25
- Machine Translation of Russian Technical Literature, Notes on Exploitation of the Russian Grammar, Perry, a, I-11
- Machine Translation of Russian Technical
- Literature, Notes on Preliminary Experi-
- ments, Perry, a, I-11
- Machines for Information Retrieval, Learning, and Translation, Mooers, a, I-9
- Machines for the Translation of Languages, Yngve, a, II-25
- Machol: Mechanical Translation Work at the University of Michigan, III-34
- magnetic drum, I-43
- Mandelbrot, V-67
- Manual for Keypunching Russian Scientific Text (Studies in Machine Translation - 5), Edmundson, Hays, Renner, and Sutton, a, IV-81
- Maretti: a, Adamo II, III-67
- ----: II-27
- Masterman: The Thesaurus in Syntax and Semantics, IV-35
- ----: a, The Analogy between Mechanical Translation and Library Retrieval, V-91
- ----: a, New Techniques for Analyzing Sentence Patterns, III-4
- ----: II-27, III-2, III-36, V-115
- Materials on Machine Translation, Sbornik I, a, V-89
- mathematical linguistics, course in, I-55
- mathematical model, IV-2
- Matthews, German Sentence Recognition, V-114
- ----: III-45
- McQuown, II-49
- meaning, non-grammatical, I-28
- meaning, structural, II-36
- measurements of quality, III-73
- Mecanismes et Traduction, Gary, a, III-63
- The Mechanical Determination of the Con-
- stituents of German Substantive Composita, Reifler, a, I-11
- Mechanical Determination of the Constituents of German Substantive Compounds, Reifler, II-3

- Mechanical Determination . . . errata, II-46
- Mechanical Resolution of Linguistic Problems: Booth, Brandwood, and Cleave, a, IV-47
- Mechanical Translation, Booth, a, I-13
- Mechanical Translation, Ornstein, a, II-61
- Mechanical Translation, Yngve, a, I-15
- Mechanical Translation and the Problem of
- Multiple Meaning, Koutsoudas and Korfhage, III-46
- Mechanical Translation and Zipf's Law, Koutsoudas, a, IV-49
- Mechanical Translation: Needs and Possibilities, Bar-Hillel, a, I-5
- Mechanical Translation of French, Brandwood, III-52
- Mechanical Translation of Russian: A Preliminary Report, Harper, a, I-13
- Mechanical Translation Research at MIT, Yngve, III-44
- Mechanical Translations, Booth a, IV-47
- Mechanical Translation Work at the University of Michigan, Koutsoudas and Machol, III-34
- Mel'chuk: a, Concerning a Russian Frequency Dictionary Based on the Material in Mathematics Texts, V-89
- ----: a, Conference on Problems of Development and Construction of Information Machines, IV-47
- ----: a, Machine Translation from French to Russian, III-91
- ----: a, Machine Translation from Hungarian into Russian, V-87
- ---- : a, Statistics on the Dependence of the Gender of French Nouns on the Endings, V-89
- ----: V-95, V-99,V-101, V-104, V-107, V-109, V-110
- Method of Selecting the Required Words from the Dictionary, Korolev, V-121
- methodology, V-8
- Miller: Some Psychological Methods for Evaluating the Quality of Translations, III-73
- Micklesen: a, A Machine Translates from One Language to Another, III-67
- ----: a, Form Classes: Structural Linguistics and Mechanical Translation, III-65
- ----- : II-49, III-31, III-33, V-95
- micro-glossaries, I-25
- Microsemantics, Oswald, a, I-7
- microsemantics, I-25
- Minimum "Ones" Binary Code for English Text, Weik, a, V-43
- MIT Center for Communication Sciences, IV-51 MIT, 1952 conference, I-23
- Model English for Mechanical Translation, Dodd, a, I-7
- Model for Mechanical Translation, Cleave, IV-2

model target languages, I-27

Moiseev, V-108

Moloshnaya: a, Certain Linguistic Problems in Machine Translation, V-43
: a, Certain Questions of Syntax in Connection with Machine Translation from English

to Russian, IV-45 : a, Concerning a Russian Frequency Dictionary Based on the Material in Mathematics Texts, V-89

- ----: a, Problems in Distinguishing Homonyms in Machine Translation from English into Russian, V-87
- ----:IV-61, V-95, V-99, V-103, V-106, V-107, V-109
- Mooers: a, Machines for Information Retrieval, I-9
- ----: V-70
- MT (SIMT, No. 1), Reifler, a, I-3
- MT Form-Class Filtering System (SIMT, No. 8), Reifler, a, I-11
- MT with a Pre-Editor and Writing for MT (SIMT, No. 3), Reifler, a, I-5
- Mueller, III-l

Mukhin: a, Automation of Translation from One Language into Another, V-47
: Certain Problems of Automatic Translation, IV-45

: a, An Experiment of the Machine Translation of Languages Carried out on the BESM, III-29

- ----: V-70, V-103, V-104, V-106, V-107
- Multiple Correspondence, Gould, IV-14
- multiple expressions, IV-28
- multiple meaning, I-45, III-38, III-46, IV-14, IV-74
- multiple meaning, narrow context, II-39
- multiple meaning, sentence analysis, II-36
- naked ideas, III-23
- Needham: a, The Analogy between Mechanical Translation and Library Retrieval, V-91 ----: IV-41
- Nesmejanov: a, Science and Industry, III-89
- ----: V-104
- New Techniques for Analyzing Sentence Patterns, Masterman, a, III-4
- Neuman: a, A Notation System for Transliterating Technical and Scientific Texts, V-123
- News release: Dostert, Garvin, Hurd, and Sheridan, a, I-17
- Niehaus: a, Russian to English Machine Translation with Simple Logical Processing, IV-49
- Nikolaeva: a, Russian Sentence Analysis, V-

123

- : Soviet Developments in Machine Translation: Russian Sentence Analysis, V-51
- ----: V-100, V-107
- non-grammatical meaning, determination of, I-28

Norwegian, V-96

- Notation System for Transliterating Technical and Scientific Texts: Newman, Swanson and Knowlton, a, V-123
- occupations related to MT, I-20
- Oettinger: The Distribution of Word Length in Technical Russian, I-38
- ----: An Input Device for the Harvard Automatic Dictionary, V-2
- -----: A Survey of Soviet Work on Automatic Translation, V-101
- -----: a, A Study for the Design of an Automatic Dictionary (preliminary), I-15
- ----: a, A Study for the Design of an Automatic Dictionary, I-13
- ----: a, A Study for the Design of an Automatic Dictionary, II-35
- ----: thesis, I-19
- ----: I-55, IV-1, IV-14, V-93
- On a Method for Defining Linguistic Concepts, Kulagina, a, IV-81
- On the Problem of Mechanical Translation, Panov, III-42
- On the Problem of the Potentialities of Machine Translations, Barxudarov and Kolshanskij, a, IV-79
- On the Question of Automatizing the Programming of Problems of Translation from One Language into Another, Razumovskii, a, IV-49
- On Translation, Brower, a, V-123
- Operational Grammar, Bar-Hillel, a, I-7
- operational syntax, I-26
- Operator Description of Translation Algorithms, Kulagina, a, V-123
- Order of Subject and Object in Scientific Russian, Hays, V-111
- Order of Subject and Predicate in Scientific Russian, Lehiste, IV-66
- Organization and Method in Mechanical Translation Work, Dostert, III-35
- Ornstein: a, Mechanical Translation, II-61
- Oswald: a, An Idioglossary for Mechanical Translation, I-15
- -----: a, Microsemantics, I-7
- D 1 (1 M
- : a, Proposals for the Mechanical Resolution of German Syntax Patterns, I-3
- -----: a, Word-by-Word Translation, I-7
- -----: 1952 conference, I-24, I-51
- ---- : IV-61, V-114

^{----:} III-43

Outlook for Mechanical Translation, Yngve, a, III-63 output devices, I-42 Paducheva, V-96, V-110 Panov: On the Problem of Mechanical Translation, III-42 ----- : a, Automatic Translation, III-65, V-45 ---- : a, Automation of Translation from One Language into Another, V-47 : a, Certain Problems of Automatic Translation. IV-45 ---- : a, Concerning the Problem of Machine Translation of Languages, III-65 ----- : V-70, V-103, V-106, V-107, V-108 Pantzer, III-1 Parker-Rhodes: An Electronic Computer Program for Translating Chinese into English, III-14 ----: The Use of Statistics in Language Research, V-67 ----: II-27, III-2, III-36, IV-35, IV-41 Parsons, II-27 Patent, Gourdon, a, I-57 Penny, IV-41 Perry: Translation of Russian Technical Literature by Machine, notes on preliminary experiments, II-15 ----: a, Machine Techniques for Index Searching and for Machine Translation, I-5, I-11 : a. Machine Translation of Russian Technical Literature, Notes on Exploitation of the Russian Grammar, I-11 : a, Machine Translation of Russian Technical Literature, Notes on Preliminary Experiments, I-11 --: 1952 conference, I-24, I-48 ----: 1-55, II-l, II-49 philosophy, III-12 photon machine II-1 photoscopic memory, III-31 phrase structure, V-115 Pimsleur: Semantic Frequency Counts, IV-11 pinpointees, I-28 pinpointers, I-28 pivot language, I-27 post-editor, I-30 Poulet: a, Grammaire Universelle pour Machine a Traduire, IV-45 pre-editor, I-30 Preliminary Abstracts of the Conference on Machine Translation, 1958, a, V-45 prepositional phrases, V-63 Preprogramming for Mechanical Translation, Richens, III-20 Present Objectives of MT Research in the United Kingdom, A.D. Booth, a, III-63

Present State of Research on Mechanical Translation, Bar-Hillel, a, I-5 Previous Experiments in Mechanical Translation, Brandwood, a, III-63 Problems in Distinguishing Homonyms in Machine Translation from English into Russian, Moloshnaya, a, V-87 Problems of Vocabulary Frequency and Distribution, Bull, a, I-7 Programming Language for Mechanical Translation, Yngve, V-25 Proposals for an Electronic Translating Machine with Microfilm Memory, Holt, a, I-17 Proposals for the Mechanical Resolution of German Syntax Patterns, Oswald and Fletcher, a, I-3 Pugachev, V-105 punctuation patterns, V-16 Purto: a, Certain Linguistic Problems in Machine Translation, V-43 -----: V-107 Pyne, IV-61 quality of translation, III-73 Quasi-Arithmetical Notation for Syntactic Description, Bar-Hillel, a, I-11 quasi clauses, IV-30 railway terminology, III-85 Rakov, V-108 Razumovskii: a, Certain Problems of Automatic Translation, IV-45 -----: a. On the Question of Automatizing the Programming of Problems of Translation from One Language into Another, IV-49 -----: III-43, V-104, V-107, V-108 recognition, V-114 recognition routine, IV-64 Refinement in Coding the Russian Cyrillic Alphabet, Harper, IV-76 Reformatsky: a, Fundamental Problems of Machine Translation, III-89 -----: V-96, V-107, V-110 Reifler: Machine Translation Development at the University of Washington, III-33 Mechanical Determination of the Constituents of German Substantive Compounds, II-3 ----- Mechanical Determination . . . errata, II-46 Report on the First Conference on Mechanical Translation, I-23 ----- Some New Terminology, IV-52 ----- a, General MT and Universal Grammar (SIMT, No. 4), I-9 ----- Linguistic and Engineering Studies in the Automatic Translation of Scientific Russian into English, V-85

133

----: a, The Mechanical Determination of the Constituents of German Substantive Composita (SIMT, No. 7), I-11 a, MT (SIMT, No. 1), I-3 a, MT Form-Class Filtering System (SIMT, No. 8), I-11 ---- a, MT with a Pre-Editor and Writing for MT (SIMT, No. 3), I-5 ---- a, Some Problems of the Mechanical Translation of Languages, (SIMT, No. 2), I-3 a, 1952 Summer Report, I-9 1952 conference, I-24, I-48 ---- I-19, II-27, II-49, III-31, III-72, IV-61 relative clauses, V-60 Renner: a, Manual for Keypunching Russian Scientific Text (Studies in Machine Translation - 5) IV-81 Report on Research, Cambridge Language Reseach Unit, II-36 Report on the First Conference on Mechanical Translation, Reifler, I-23 Research in Language Translation on the IBM Type 701, Sheridan, a, II-25 Research Methodology (Studies in Machine Translation - 2), Edmundson and Hays, a, IV-49 Research Methodology for Machine Translation, Edmundson and Hays, V-8 Resume of Machine Codes and Card Formats (Studies in Machine Translation - 3), Edmundson, Hays, and Sutton, a,V-45 Revzin: a, Addendum to the Paper "Some Problems in the Formalization of Syntax", IV-81 ---- : a, Certain Linguistic Problems in Machine Translation, V-43 -----: V-97, V-99, V-107, V-108, V-109, V-110 Reynolds: The Conference on Mechanical Translation (1952), I-47 ---- : 1952 conference, I-24 Richens: Preprogramming for Mechanical Translation, III-20 ---- : a, Interlingual Machine Translation, V-91 : a, Some Methods of Mechanized Translation, I-9 ---- : a, Tigris and Euphrates - A Comparison between Human and Machine Translation, V-87 -----: I-23, II-27, III-2, III-37, IV-37 Rockefeller Foundation, II-1 Rogovin, German Sentence Recognition, V-114 Rogovin, IV-51 Rosenblith, IV-51 Rozentsveig: The Work on Machine Translation in the Soviet Union, V-95 ---- : a, Certain Linguistic Problems in Machine Translation, V-43

-----: V-102, V-107, V-108, V-109, V-110 Russian journal, III-71 Russian Physics Vocabulary, with Frequency Count (Research in Machine Translation: II), Koutsoudas and Halpin, a, V-45 Russian Sentence Analysis, Nikolaeva, a, V-123 Russian to English Machine Translation with Simple Logical Processing, Wall and Niehaus, a, IV-49 Salton the Use of Punctuation Patterns in Machine Translation. V-16 Science and Industry, Nesmjanov, a, III-89 Scientific Papers and Scientific Language, Booth, a. II-61 Semantic Ambiguity, Harper, IV-68 Semantic and syntactic analysis, III-20 Semantic Frequency Counts, Pimsleur, IV-11 semantics, IV-38 sentence analysis, Russian, V-51 sentence construction routine, IV-63 Sentence-for Sentence Translation, Yngve, II-29 sentence recognition, V-114 Shannon, IV-51 Shaumjan, V-110 Shelimova: a, Concerning a Russian Frequency Dictionary Based on the Material in Mathematics Texts, V-89 ----- : V-96, V-99, V-100 Sheridan: a, News release, I-17 ---- : a, Research in Language Translation on the IBM Type 701, II-25 ---- : I-19 Shiner, II-49 Shumilina: a, Concerning a Russian Frequency Dictionary Based on the Material in Mathematics Texts, V-89 -----: V-96, V-99, V-110 Shura-Bura, V-106, V-109 Signal System in Interlingua, Gode, II-55 Smiley, II-27, III-2 Sofronov: a. The General Principles of Machine Translation from the Chinese Language, V-121 Some Linguistic Problems Connected with Machine Translation, Bar-Hillel, a, I-13 Some Linguistic Problems in Machine Translation, Garvin, a, III-65 Some Methods of Mechanized Translation, Richens and Booth, a, I-9 Some New Terminology, Reifler, IV-52 Some of the Engineering Aspects of the Machine Translation of Language, Wall, a, III-69, IV-45

Some Problems in the Mechanical Translation

Five Year Index

of German, Brandwood, V-60 Some Problems of the Mechanical Translation of Languages (SIMT, No. 2), Reifler, a, I-3 Some Psychological Methods for Evaluating the Quality of Translations, Miller and Beebe-Center, III-73 Soviet Developments in Machine Translation: Russian Sentence Analysis, Nikolaeva, V-51 Spanish, V-96 specifiers, IV-64, V-115 splitting of compound nouns, II-3 splitting of stems and endings, III-53 statistical linguistics. I-55 Statistics on the Dependence of the Gender of French Nouns on the Endings, Mel'chuk, a, V-89 statistics on word length in Russian, I-38 statistics, use of, V-67 stems, III-53 Stevenson, II-27 ----- :III-2 Stochastic Methods of Mechanical Translation, King, III-38 Storage Problem, Cooper, V-74 Stout: Computing Machines for Language Translation, I-41 ----- : II-27 Structural Grammars, Lees, IV-5 structural meaning, II-36 Structure of the Problem of Mechanical Translation, Helmer, a, I-5 Studies in Machine Translation - 1: Survey and Critique; Edmundson, Harper, and Hays, a, IV-79 Study for the Design of an Automatic Dictionary, thesis, I-19 Study for the Design of an Automatic Dictionary, Oettinger, progress report, a, I-13 Study for the Design of an Automatic Dictionary, Oettinger, preliminary design, a, I-15 Study for the Design of an Automatic Dictionary, Oettinger, a, II-35 subject-object order, V-111 subject-predicate order in Russian, IV-66 Suggestions on a Device for Digital Encoding of Russian Scientific Text, Weik, a, V-85 Summer Report, 1952, Reifler, a, I-9 Summer workshop, V-93 Superanskaja, V-110 Survey of Soviet Work on Automatic Translation, Oettinger, V-101 Sutton: a, Manual for Keypunching Russian Scientific Text (Studies in Machine Translation - 5), IV-81 ----: a, Resume of Machine Codes and Card Formats (Studies in Machine Translation -3), V-45

Swanson, D.: a, Experimental Machine Translation of Russian to English, V-91 Swanson, R.: a, A Notation System for Transliterating Technical and Scientific Texts, V-123 syntactic analysis, V-56 syntactic and semantic analysis, III-20 syntactic functions, V-119 syntactic links, V-96 Syntactic Structures, Chomsky, a, II-89 syntactic translation, IV-60 syntactical variants, Ulvestad, IV-28 syntax, operational, I-26 syntax, III-81, IV-38 Tate, 1952 conference, I-24 Teaching the Machine Grammar, Heberden, a, III-63 Technical Feasibility of Translating Languages by Machine, Yngve, a, III-67 technological unemployment, I-20 Terminology in the Light of Research on Mechanical Translation, Yngve, a, III-63 terminology, IV-52 texts available, IV-51 Theory and Philosophy of Language, Bronowski, a, III-12 Thesaurus in Syntax and Semantics, Masterman, IV-35 thesaurus, III-83, IV-16 Thouless, II-27, III-2, IV-41 Tigris and Euphrates - A Comparison between Human and Machine Translation, Richens, a, V-87 Toma, III-72 Topchiev, V-108 transfer of structure, IV-65 transformations, IV-5 Translating Russian by Machine, Harper, a, II-25 Translation, Weaver, a, I-3 Translation by Machine, Locke, a, II-61 Translation of a Foreign Language by Machine, Brandwood, a, III-63 Translation of Languages by Machine, Yngve, a, III-67 Translation of Russian Technical Literature by Machine, Perry, II-15 Traxtenbrot, V-108 Treatment of "idioms" by a Translating Machine, Bar-Hillel, a, I-7 Trifonov, III-43 Turkish, V-96 Twaddell, II-49 Type of Program for Mechanical Translation, Cleave, IV-54

Ulvestad: Syntactical Variants, IV-28 ----- : IV-51 unemployment of translators, I-20 Unesco Report on Technical Translating and Related Problems, Holmstrom, a, I-15 unityper, V-2 Use of a Computing Machine as a Mechanical Dictionary, Booth, a, II-61 Use of Punctuation Patterns in Machine Translation, Salton, V-16 Use of Statistics in Language Research, Parker-Rhodes, V-67 Uspensky, V-97, V-109, V-110 Utilization of Calculating Machines for Translation from One Language into Another, Ljapunov and Kulagina, a, IV-45 U.W. Automatic Language Translator, Douthwaite, a, III-67 variants, syntactical, IV-28 Vavilova, V-100 Vinogradova, V-100 vocabulary frequencies and distribution, I-25 Volotskaya: a, Concerning a Russian Frequency Dictionary Based on the Material in Mathematics Texts, V-89 -----: V-96, V-99, V-110 Voronin, III-43 Waggoner, II-27 Wall: a, Engineering Process in Machine Translation, III-67 ----: a, Logical Processing and Context Analysis in Mechanical Translation, V-45 ---- : a, Russian to English Machine Translation with Simple Logical Processing, IV-49 ---- : a, Some of the Engineering Aspects of the Machine Translation of Language, III-69, IV-45 ---- : II-27 Weaver: a, Translation, I-3 --- : IV-61 Webster, I-55 Weik: a, A Minimum "Ones" Binary Code for English Text, V-43 ---- : a, Suggestions on a Device for Digital Encoding of Russian Scientific Text, V-85 Werbow, IV-51, V-1 Wienberg, II-49 Wieselman, V-69 Wiesner, 1952 conference, I-24 ----- : a, IV-51 Williams, V-104 Willson, II-27 Winn, II-27

Winter, V-l Woolmer-Bird, IV-41 Word-by-Word Translation, Oswald, a, I-7 Word classes, II-36 word count bibliography, I-19 word-for-word translation, I-23, II-15, II-29, IV-16, IV-61, IV-70 word length distribution, Russian, I-38 word-order in Russian, IV-66 Work on Machine Translation in the Soviet Union, Rozentsveig, V-95 Wundheiler: a, Invariant Syntax as Prerequisite of all Translation, I-13 ----: V-103 Wuster: a, Bibliography of Monolingual Scientific and Technical Glossaries. III-89 Yngve: A Framework for Syntactic Translation, IV-59 ----: The Machine and the Man, I-21 ----: Mechanical Translation Research at MIT, III-44 ----: A Programming Language for Mechanical Translation, V-25 ----: Sentence-for-Sentence Translation, II-29 : a, Machines for the Translation of Languages, II-25 ----: a, Mechanical Translation, I-15 ----: a, The Outlook for Mechanical Translation, Ш-63 ----: a, The Technical Feasibility of Translating Languages by Machine, III-67 ----: a, Terminology in the Light of Research on Mechanical Translation, III-63 ----: a, The Translation of Languages by Machine, III-67 ----: 1952 conference, I-24 ----: II-17, II-49, III-1, IV-1, IV-27, IV-28, IV-51, V-1, V-69, V-70, V-72, V-93, V-115, V-116 Zacharov: A Refinement in Coding the Russian Cyrillic Alphabet, IV-76 ----: a, Language Translation by Electronics, **II-61** Zajtsev, V-109 Zangwill, II-27 Zarachnek, IV-61 Zelenkevich, III-43, V-107 Zhirkov: a, Limits of Applicability of Machine Translation, III-91 ----: V-103, V-108 Zinder, V-108 Zipf, V-67 Zvonov, III-43