

**THE PUBLICATIONS OF PROFESSOR LINUS PAULING
FROM 1966 TO THE PRESENT**

Compiled by

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This compendium is an adjunct to the list of publications covering the period 1923-1967 compiled by G. Albrecht ("Scientific Publications of Linus Pauling," in *Structural Chemistry and Molecular Biology: A Volume Dedicated to Linus Pauling by his Students, Colleagues, and Friends*, A. Rich and N. Davidson eds., W. H. Freeman, San Francisco, 1968, pp. 888-907). Where a paper has been published in more than one place, all reprints of it are listed with the original publication. Two types of descriptors (e. g., "article ; three") are employed and follow the symbols "==>". The first describes the sort of publication and the second, the subject area. This is done according to the following classification scheme:

- one. The Structure of Crystals.
- two. Quantum Mechanics.
- three. The Nature of the Chemical Bond.
- four. The Determination of the Structure of Molecules by the Diffraction of Electrons.
- five. Electronic Theory and Structure of Metals and Intermetallic Compounds.
- six. The Structure and Properties of Hemoglobin and Other Proteins.
- seven. Structure of Antibodies and the Nature of Serological Reactions.
- eight. Chemistry in Relation to Biology and Medicine.
- nine. The Structure of Atomic Nuclei.
- ten. Other Fields of Science.
- eleven. Orthomolecular Medicine.
- twelve. Vitamins and Health.
- thirteen. Vitamin C and Cancer.
- fourteen. World Peace.
- fifteen. Education.
- sixteen. Forewords to Books.
- seventeen. Letters to the Editor; Book Reviews.
- eighteen. Newspaper and Magazine Articles.
- nineteen. The History and Philosophy of Science.
- twenty. Books.

The compilers are indebted to the numerous libraries and librarians who have so graciously rendered assistance.

. The social responsibilities of scientists and science. *The Science Teacher* 33 (5), 14-18 (May 1966). Reprinted in: *Graduate Comment (Wayne State University)* 0 (1), 17-24 (1967). ==> article ; fourteen , nineteen

. Die Beziehungen zwischen Molekülstruktur und medizinischen Problemen (German: The connection between molecular structure and medical problems). *Naturwissenschaftliche Rundschau* 19 (6), 217-222 (1966). ==> article ; eight

. The close-packed-spheron theory of nuclear structure and the nucleon excess for stable nuclei Dedicated to the seventieth anniversary of Professor Horia Hulubei). *Revue Roumaine de Physique* 11 (9,10), 825-833 (1966). ==> article ; nine

4. The structure and properties of graphite and boron nitride. *Proc. Natl. Acad. Sci. USA* 56 (6), 1646-1652 (1966). ==> article ; one , three
5. Baryon resonances as rotational states. *Proc. Natl. Acad. Sci. USA* 56 (6), 1676-1677 (1966). ==> article ; nine
6. Science and world problems. in *Enzymes in Mental Health*, G. J. Martin and B. Kisch, eds., J. P. Lippincott, Philadelphia, 1966, pp. 13-18. ==> article ; fourteen , nineteen
7. Electron transfer and atomic magnetic moments in the ordered intermetallic compound $AlFe_3$. in *Quantum Theory of Atoms, Molecules, and the Solid State, A Tribute to John C. Slater*, P.-O. Löwdin, ed., Academic Press, New York, 1966, pp. 303-306. ==> article ; five
8. Biological treatment of mental illness: Academic address, in *Biological Treatment of Mental Illness (Proceedings of the II International Conference of the Manfred Sakel Foundation, Held October 31 to November 3, 1962, at the New York Academy of Medicine, New York)*, M. Rinkel, ed., L. C. Page, New York, 1966, pp. 30-37. ==> article ; eleven
9. Biochemical aspects of schizophrenia: Discussion of plasma protein factors and serum factors, in *Biological Treatment of Mental Illness (Proceedings of the II International Conference of the Manfred Sakel Foundation, Held October 31 to November 3, 1962, at the New York Academy of Medicine, New York)*, M. Rinkel, ed., L. C. Page, New York, 1966, pp. 424-425. ==> article ; eleven
10. Molecular chemistry. *Industrial Research* 9 (1), 74-75 (Jan. 1967). ==> article ; ten , eighteen
11. Foreign policies and disarmament (The fourth M. Ct. M. Chidambaram Chettyar Memorial Lecture, 14 Feb. 1967). *M. Ct. M. Chidambaram Chettyar Memorial Lectures*, Hoe & Co., Madras, 1967, 37 pages. ==> lecture ; fourteen
12. The road to disarmament? *Industrial Research* 9 (7), 88 (July 1967). [O. Chamberlain and L. P.] ==> article ; fourteen , eighteen
13. Peace on earth: the position of the scientists (Speech given to the Pacem in Terris Convocation in Geneva on 28-31 May 1967). *Bull. Atom. Sci.* 23 (8), 46-48 (Oct. 1967). Partially reprinted in: Scientists on peace. *The Minority of One* 9 (10), 18-19 (Oct. 1967). ==> article ; fourteen
14. Peace on earth: positions of the scientists. *The Churchman (St. Petersburg, FL)* 181 (10), 7-8 (Dec. 1967). ==> article ; fourteen
15. Magnetic-moment evidence for the polyspheron structure of the lighter atomic nuclei. *Proc. Natl. Acad. Sci. USA* 58 (6), 2175-2178 (1967). ==> article ; nine
16. The challenge of scientific discovery. *The Twenty-ninth William Henry Snyder Lecture*, Associated Students, The College Press, Los Angeles City College, Los Angeles, 1967, 12 pages. ==> lecture ; fourteen , nineteen
17. *The Chemical Bond*, Cornell Univ. Press, Ithaca, N. Y., 1967, 267 pages. ==> book ; three , twenty
18. The dependence of bond lengths in intermetallic compounds on the hybrid character of the bond orbitals. *Acta Cryst.* B24, 5-7 (1968). ==> article ; three , five

19. The resonating-valence-bond theory of superconductivity: crest superconductors and trough superconductors. *Proc. Natl. Acad. Sci. USA* **60**, 59-65 (1968). ==> article ; five , ten
20. The chromium-carbon bond length in chromium hexacarbonyl. *Acta Cryst.* **B24**, 978-979 (1968). ==> article ; three
21. Orthomolecular psychiatry: varying the concentrations of substances normally present in the human body may control mental disease. *Science* **160**, 265-271 (1968). Reprinted in: *Mental Health and Chiropractic*, H. S. Schwartz, ed., Sessions, New York, 1973, pp. 230-245. Also reprinted in: *Diet Related to Killer Diseases, V (Hearing Before the Select Committee on Nutrition and Human Needs of the United States Senate, Ninety-fifth Congress, First Session, 22 June 1977)*, U. S. Government Printing Office, Washington, 1977, pp. 97-104. ==> article ; eleven
22. A trireticulate crystal structure: trihydrogen cobaltcyanide and trisilver cobaltcyanide. *Proc. Natl. Acad. Sci. USA* **60**, 362-367 (1968). [L. P. and P. Pauling]. ==> article ; one
23. Acceptance of the Roebling medal of the Mineralogical Society of America. *Am. Mineral.* **53**, 521-530 (1968). ==> speech ; nineteen
24. Reflections on the new biology: Foreword. *UCLA Law Review* **15** (2), 267-272 (Feb. 1968). ==> article ; eight , sixteen
25. Vitamin therapy: treatment for the mentally ill. *Science* **160**, 1181 (1968). ==> letter ; seventeen
26. Kan vetenskapsmännen säkra världsfreden? (Swedish: Can scientists safeguard world peace?). in *Världen idag (The World Today)*. Svensk Boktjänst, Borås, 1968, pp. 48-55. (Finnish version: Voivatko tiedemiehet turvata maailmanrauhan? *Maailma tänään*, Kustannusosakeyhtiö Otavan laakapaino, Helsinki, 1968, 81-92.) ==> article ; fourteen
27. Geometric factors in nuclear structure. in *Maria Skłodowska-Curie: Centenary Lectures*, International Atomic Energy Agency, Vienna, 1968, 83-88. ==> article ; nine
28. Orthomolecular somatic and psychiatric medicine (A communication to the Thirteenth International Convention on Vital Substances, Nutrition, and the Diseases of Civilization at Luxembourg and Trier on 18-24 September 1967). *Zeitschrift Vitalstoffe-Zivilisationskrankheiten* **12**, 3-5 (Jan. 1968). ==> article ; eleven , twelve
29. Science and the World of the Future. in *Man and His World: The Noranda Lectures/Expo 67*, University of Toronto Press, Toronto, 1968, pp. 203-211. ==> lecture ; fourteen , nineteen
30. Double-humped fission. *Physics Today* **22** (6), 9,11 (June 1969). ==> letter ; seventeen
31. Magnetic moments of antimony isotopes and other nuclei. *Phys. Rev.* **182**, 1357-1358 (1969). ==> article ; nine
32. Orbiting clusters in atomic nuclei. *Proc. Natl. Acad. Sci. USA* **64**, 807-809 (1969). ==> article ; nine

33. Structure of the methyl radical and other radicals. *J. Chem. Phys.* **51**, 2767-2769 (1969). ==> article ; three
34. Cohesive energies of tetrahedrally coordinated crystals. *Phys. Rev. Lett.* **23**, 480-481 (1969). ==> article ; three
35. Nuclear weapons and world sanity. *The UNESCO Courier*, Aug.-Sept. 1969, pp. 43-44,46. ==> article ; fourteen
36. Medicine in a rational society. *J. Mt. Sinai Hosp. N.Y.* **36**, 194-199 (1969). ==> speech ; ten , fourteen , nineteen
37. Advancement of knowledge: Ortho-molecular psychiatry. in *Centennial Lectures, 1968-1969: The Second Hundred Years*, Oregon State University Press, Corvallis, OR, 1969, pp. 19-27. ==> article ; eleven , nineteen
38. The possibilities for social progress. *Brit. J. Social Psychiatry* **4**, 1-5, (1970). ==> article ; twelve , fourteen
39. Why a Nobel laureate thinks allowed limits are too high. *Science Forum* **18**, 8-9 (1970). ==> article ; ten , fourteen
40. Five equivalent d orbitals. *J. Chem. Ed.* **47**, 15-17 (1970). [L. P. and V. McClure]. ==> article ; two , three
41. Stop the war! *The Churchman (St. Petersburg, FL)* **184** (1), 10 (Jan. 1970). ==> article ; fourteen , eighteen
42. The controversy over vitamin C (ascorbic acid) to prevent or relieve the common cold. *Executive Health* **7** (6), 4 pages, (June 1970). ==> article ; twelve, eighteen
43. Barnard's star. *Natural History* **79** (7), 131 (Aug.-Sept. 1970). ==> letter ; ten , seventeen
44. Genetic and somatic effects of high-energy radiation. *Bull. Atom. Sci.* **26** (7), 3-5 (Sept. 1970). ==> article ; ten , fourteen
45. Crystallography and chemical bonding of sulfide minerals. *Mineral. Soc. Amer. Spec. Pap.* **3**, 125-131 (1970). ==> article ; ten , three
46. The crystal structure of alpha-fluorine. *J. Solid State Chem.* **2**, 225-227 (1970). [L. P., I. Keaveny, and A. B. Robinson]. ==> article ; one
47. Octahedral hybrid orbitals. *Chem. Phys. Lett.* **6**, 249 (1970). ==> article ; three
48. Fifty years of progress in structural chemistry and molecular biology. *Daedalus*, Fall 1970, pp. 988-1014. ==> article ; nineteen
49. Structure of high-energy molecules. *Chem. in Brit.* **6**, 468-472 (1970). ==> article ; ten
50. The composition of the boranes. *J. Inorg. Nucl. Chem.* **32**, 3745-3749 (1970). ==> article ; three

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52. We have survived the decade (acceptance speech given at Soviet Embassy in Washington, D.C. for award of International Lenin Peace Prize). *The Churchman (St. Petersburg, FL)* 184 (8), 7 (Oct. 1970). ==> speech ; eighteen
53. Ionic character of bonds in crystals. *Science* 170, 1432 (1970). ==> letter ; three , seventeen
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55. *General Chemistry, 3rd ed.*, W. H. Freeman, San Francisco, 1970, 959 pages. (German translation: *Grundlagen der Chemie*, Verlag Chemie, Weinheim, 1973, 843 pages. Russian translation: *Obschiya khimiya*, Mir Pub., Moscow, 1974, 846 pages.) ==> book ; three
56. Albert Tyler. *Dev. Biol.* 21, iii-v (1970). ==> article ; ten , nineteen
57. Orthomolecular methods in medicine (Russian). in *Funktionalnaia Biokhimiia Kletochnykh Struktur (Sisakian Memorial Volume)*, A. I. Oparin, ed., Nauk, Moscow, 1970, pp. 427-432. ==> article ; eleven
58. Vitamin C and the cold. *New York Times*, 15 Dec. 1970, p. 44. ==> letter ; seventeen
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60. Scientists in politics. *The Place of Value in a World of Facts: Nobel Symp.* 14, 197-205 (1970). Reprinted in: *Societal Issues, Scientific Viewpoints*, M. A. Strom, ed., American Institute of Physics, New York, 1987, pp. 46-49. ==> article ; fourteen , nineteen
61. Orthomolecular psychiatry. *Schizophrenia* 3, 129-133 (1971). ==> article ; eleven
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65. A reply to "That Man ... Pauling!". *Nutrition Today*. 6 (2), 21-24 (March/April 1971). ==> article ; twelve

66. Vitamin C and the common cold. *Can. Med. Assoc. J.* 105, 448-450 (1971). ==> letter ; seventeen

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74. Nutrition against disease. *Executive Health* 8 (4), 4 pages (1972). ==> book review ; twelve , seventeen

75. Preventive nutrition. *Medicine on the Midway (Chicago, IL)* 27, 15-18 (1972). ==> article ; eleven , twelve

76. Gas chromatography of volatiles from breath and urine. *Anal. Chem.* 44, 18-20 (1972). [R. Teranishi, T. R. Mon, A. B. Robinson, P. Cary, and L. P.]. ==> article ; ten

77. Five equivalent d orbitals: a continuum of sets. *Israel J. Chem.* 10, 211-220 (1972). [L. T. Keaveny and L. P.] ==> article ; two , three

78. Malattie molecolari e medicina ortomolecolare. (Molecular disease and orthomolecular medicine). *Enciclopedia della Scienza e della Tecnica Mondadori* 258-266 (1972). ==> article ; eleven

79. Bernal's contributions to structural chemistry. *Scientific World* 16, 13-14 (1972). ==> article ; nineteen

80. Sugar: "Sweet and Dangerous". *Executive Health* 9 (1), 4 pages (1972). ==> article ; ten

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82. Vitamin C. *Science* 177, 1152 (1972). ==> letter ; seventeen
83. The genesis of the concept of molecular disease. in *Sickle Cell Disease*, E. F Mammen, G. F. Anderson, and M. I. Barnhart, eds., F. K. Schattauer Verlag, NY, 1973, pp. 1-6. ==> article ; six , eleven
84. *Orthomolecular Psychiatry: Treatment of Schizophrenia*. D. Hawkins and L. P., eds., W. H. Freeman, San Francisco, 1973, 697 pages. ==> book ; eleven , twenty
85. Preface. *Orthomolecular Psychiatry: Treatment of Schizophrenia*, in D. Hawkins and L. P., eds., W. H. Freeman, San Francisco, 1973, pp. v-ix. ==> foreword ; eleven , sixteen
86. Orthomolecular psychiatry. in *Orthomolecular Psychiatry: Treatment of Schizophrenia*, D. Hawkins and L. P., eds., W. H. Freeman, San Francisco, 1973, pp. 1-17. ==> article ; eleven
87. Results of a loading test of ascorbic acid, niacinamide, and pyridoxine in schizophrenic subjects and controls. in *Orthomolecular Psychiatry: Treatment of Schizophrenia*, D. Hawkins and L. P., eds., W. H. Freeman, San Francisco, 1973, pp. 18-34. [L. P., A. B. Robinson, S. S. Oxley, M. Bergson, A. Harris, P. Cary, J. Blethen, and I. T. Keaveny]. Reprinted in: *Diet Related to Killer Diseases, V (Hearing Before the Select Committee on Nutrition and Human Needs of the United States Senate, Ninety-fifth Congress, First Session, 22 June 1977)*, U. S. Government Printing Office, Washington, 1977, pp. 159-174. ==> article ; eleven
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89. Ascorbic acid and the common cold. *Scottish Med. J.* 18, 1-2 (1973). ==> article ; twelve
90. Orthomolecular diagnosis of mental retardation and diurnal variation in normal subjects by low-resolution gas-liquid chromatography of urine. *IRCS Intern. Res. Commun.* 1, 47 (1973). [A. B. Robinson, P. Cary, B. Dore, I. Keaveny, L. Brenneman, M. Turner, and L. P.]. ==> article ; eleven
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95. What about vitamin E? *Executive Health* 10 (1), 6 pages (Jan. 1973). ==> article ; twelve
96. Man and his health. *True* 54 (428), 10-11, 15 (Jan. 1973). ==> article ; eighteen
97. Statement on the proposed FDA regulation limiting the sale of vitamin A. *Congressional Record, 93rd Congress, 1st Session*, 119 (15), 3 June 1973, pp. 18701-18702. ==> expert opinion ; twelve
98. Foreword. *A. C. B. S. (Australasian College of Biomedical Scientists) Journal*, Sept. 1973, p 31. ==> foreword ; sixteen
99. Nutrition and health (The sixth Russell Grimwade Lecture, May 1973). *Proceedings of the Royal Australian Chemical Institute, Supplement* 40 (11), 24 pages (Nov. 1973) ==> speech ; twelve
100. Blood plasma L-ascorbic acid concentration for oral L-ascorbic acid dosage up to 12 grams per day. *IRCS, Intern. Res. Comm. Sys.* (Dec. 1973). [A. Harris, A. B. Robinson, and L. P.]. ==> article ; twelve
101. The genesis of the concept of molecular disease. *Thrombosis et Diathesis Haemorrhagica Supple.* 53, 1-6, (1973). ==> article ; six , eleven
102. Preventive orthomolecular medicine. in *New Dynamics of Preventive Medicine*, Vol. 3, L. R. Pomeroy, ed., Symposia Specialists, Miami, FL, 1974, pp. 13-19. ==> article ; eleven
103. The process of aging. in *New Dynamics of Preventive Medicine*, Vol. 3, L. R. Pomeroy, ed., Symposia Specialists, Miami, FL, 1974, 107-113. ==> article ; twelve
104. Dr. Pauling comments on the comments. *Am. J. Psychiat.* 131, 1405-1406 (1974). ==> letter ; twelve
105. Some aspects of orthomolecular medicine. *J. Intern. Acad. Prev. Med.* 1, 1-30 (Spring 1974). ==> article ; eleven
106. Early evidence about vitamin C and the common cold. *J. Orthomolecular Psychiatry* 3, 139-151 (1974). ==> article ; twelve
107. The molecular basis of biological specificity. *Nature* 248, 769-771 (1974). ==> article ; seven , eight
108. The chemical bond and crosslinking (Japanese). *Japan Plastics* 25, 1-2 (1974). ==> article ; ten , nineteen
109. Good nutrition for the good life. *Engineering and Science* 37, 6-9, 28-29 (June 1974). ==> article ; eleven , twelve
110. Resonance between a prolate and superprolate of the ^{162}Er Nucleus. *Proc. Natl. Acad. Sci. USA* 71, 2905-2907 (1974). [L. P. and J. Blethen]. ==> article ; nine
111. Techniques of orthomolecular diagnosis. *Clin. Chem.* 20, 961-965 (1974). [A. B. Robinson and L. P.]. ==> article ; eleven

112. Five ways to live longer. *Saturday Evening Post*, Oct. 1974, pp. 26-28, 132. ==> article ; eleven , twelve , eighteen
113. "quote". *Health Foods Business*, Oct. 1974, pp. 6-7. ==> article ; twelve, eighteen
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115. On the molecular environment of the mind: orthomolecular theory. *Am. J. Psychiat.* 131, 1251-1257 (1974). Reprinted in: *Diet Related to Killer Diseases, V (Hearing Before the Select Committee on Nutrition and Human Needs of the United States Senate, Ninety-fifth Congress, First Session, 22 June 1977)*, U. S. Government Printing Office, Washington, 1977, pp. 105-111. ==> article ; eleven
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119. Chemistry. (Reprinted from Sept. 1950 issue of *Scientific American*). in *Readings from Scientific American: General Chemistry*, J. B. Ifft and J. E. Hearst, compilers, W. H. Freeman, San Francisco, 1974, pp. 6-9. ==> article ; ten
120. Epilogue: The future of chemistry. in *Readings from Scientific American: General Chemistry*, J. B. Ifft and J. E. Hearst, compilers, W. H. Freeman, San Francisco, 1974, pp. 419-420. ==> article ; ten
121. Statement of Linus Pauling. in *Food Supplement Legislation, 1974 (Hearings Before the Subcommittee on Health of the Committee on Labor and Public Welfare, United States Senate, Ninety-third Congress, Second Session on S. 2801 and S. 3867, 14 and 22 Aug. 1974)*, U. S. Government Printing Office, Washington, 1974; pp. 564-584. ==> testimony ; twelve
122. Foreword: A. Kalokerinos, *Every Second Child*, Thomas Nelson, Melbourne, 1974, pp. vii-viii. ==> foreword ; sixteen
123. Linus Pauling on vitamin C. *New York Times*, 6 April 1975, p. IV:18. ==> article ; seventeen
124. Megavitamin dispute: two views. *Medical World News*, 7 April 1975, p. 19. ==> letter ; twelve , seventeen
125. Molecular complementariness and serological specificity. *Immunochem.* 12, 445-447 (1975). ==> article ; seven
126. Radioactivity re-examined. *Chem. & Eng. News*, 14 July 1975, p. 5. ==> letter ; seventeen
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129. Maximum-valence radii of transition metals. *Proc. Natl. Acad. Sci. USA* 72, 3799-3801 (1975). ==> article ; three
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131. Letter to the editor. *Medical World News*. 3 Nov. 1975, p. 34. ==> letter ; seventeen
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135. Linus Pauling before Congress. *Healthline* 1, 1-6 (1975). ==> article ; twelve
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137. The formula, structure, and chemical bonding of tetradymite, $\text{Bi}_{14}\text{Te}_{13}\text{S}_8$, and the phase $\text{Bi}_{14}\text{Te}_{15}\text{S}_6$. *Am. Mineral.* 60, 994-997 (1975). ==> article ; one , three
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141. We must throw off the yoke of militarism to achieve Albert Schweitzer's goal for the world. in *Dr. Albert Schweitzer's Centennial Birth Anniversary Commemoration Symposium on "Reverence for Life and the Way to World Peace" (Abstract)*, The Albert Schweitzer Fellowship of Japan, Tokyo, 1975, pp. 1-2. Japanese version: Wareware-wa-Zensekai-no-tameni-Albert Schweitzer-no mezashita-mokuhyo-ni-Tassubeku-GunkokuShugi-no-kubiki-o-uchisute-nakerebanaranai. *Dai-ikkai Albert Schweitzer Seitan-HyakuNen-KiNen. TaiHeiYo "HeiWa-Mondai". "Seimei-e-no-ikei" to Sekai Heiwa-e-no-Michi-Koen-Yohi*, Shadan-Hojin Schweitzer Nippon-Tomo-no-kai Tokyo, 1975, pp. 3-4. ==> speech ; fourteen
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