



## **Cosmic Search**

### **Accessing The PDF Menu System**

**Start Here!**

Start here by choosing one of the links below.

Your first selection will take you to the appropriate spot in the "Enhanced Tables of Contents" ("EToCs") below. From there you should make your next selection.

[Go to List of Codes Used in Tables 1 - 6](#)

Each table and subtable uses some short codes as labels of columns of tables or items within links to articles. View these before choosing any of the 5 links below.

[Go to Table 1: Numbering/Dates of Issues](#)

Each of the 13 links in Table 1 of the EToCs will take you to the appropriate spot in Table 3 of the EToCs which lists every article for a given issue arranged in sequential order by page number (in the original printed issue) and also provides the name(s) of the author(s) and the title of the article.

[Go to Table 2: Names of Authors](#)

Each of the links in Table 2 of the EToCs will take you to the appropriate spot in Table 4 of the EToCs which lists every article for a given author arranged in sequential order by issue number and, secondarily, by page number (in the original printed issue). Also provided is the title of the article and the name(s) of all author(s).

### [Go to Top of Table 3: Articles Within Each Issue](#)

(Optional) Clicking on this link takes you to the top of Table 3. This is not necessary because clicking on the link for Table 1 above and then choosing which issue you want to look at will take you to the appropriate subtable within Table 3 which lists all articles available for that issue.

### [Go to Top of Table 4: Articles By Each Author](#)

(Optional) Clicking on this link takes you to the top of Table 4. This is not necessary because clicking on the link for Table 2 above and then choosing the author whose articles you want to look at will take you to the appropriate subtable within Table 4 which lists all articles available for that author.

### [Go to Top of Table 5: Each Issue Shown As One File](#)

(Special Option) Clicking on this link takes you to the top of Table 5. This table contains links to one file for each issue that contains all articles plus the miscellaneous items.

### [Go to Top of Table 6: Advertising Within Each Issue](#)

(Supplemental Material) Clicking on this link takes you to the top of Table 6. This table contains links to one file for each issue that contains the advertising.

## **Accessing the Enhanced Tables of Contents**

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### **Codes Used in Tables Below**

I: Issue number (01 - 13)

S: Serial (Sequence) number (01 - 13); [same as I]

V: Volume number (1 - 4)

N: Issue number within volume (1 - 4)

Date: Date of issue

P: Page number for start of article

A: Author(s)

T: Title

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Below are several tables listing content of the 13 issues of the electronic version of "Cosmic Search".

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## Table 1. Numbering/Dates of Issues

Click on link in I (S) column to go to appropriate section of Table 3 below.

<b>I (S)</b>	<b>V,N</b>	<b>Date</b>
<a href="#"><u>01</u></a>	1,1	January 1979
<a href="#"><u>02</u></a>	1,2	March 1979
<a href="#"><u>03</u></a>	1,3	Summer 1979
<a href="#"><u>04</u></a>	1,4	Fall (Oct., Nov., Dec.) 1979
<a href="#"><u>05</u></a>	2,1	Winter (Jan., Feb., Mar.) 1980
<a href="#"><u>06</u></a>	2,2	Spring (Apr., May, June) 1980
<a href="#"><u>07</u></a>	2,3	Summer (July, Aug., Sept.) 1980
<a href="#"><u>08</u></a>	2,4	Year End 1980
<a href="#"><u>09</u></a>	3,1	Winter 1981
<a href="#"><u>10</u></a>	3,2	Spring 1981
<a href="#"><u>11</u></a>	3,3	Summer 1981
<a href="#"><u>12</u></a>	3,4	Fall 1981
<a href="#"><u>13</u></a>	4,1	First half 1982

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## Table 2. List of Authors

Click on link in (A)uthors column to go to appropriate section of Table 4 below.

<b>Names of Authors (A)</b>
<a href="#">Abelson, Philip H.</a>
<a href="#">Arbib, Michael A.</a>
<a href="#">Asimov, Isaac</a>
<a href="#">Bahng, John D. R.</a>
<a href="#">Barnhart, Philip E.</a>
<a href="#">Basler, Roy P.</a>
<a href="#">Bell, Trudy E.</a>
<a href="#">Berendzen, Richard</a>
<a href="#">Berman, Louis</a>
<a href="#">Billingham, John</a>
<a href="#">Birx, H. James</a>
<a href="#">Bracewell, R. N.</a>
<a href="#">Brown, George H.</a>
<a href="#">Burnell, S. Jocelyn Bell</a>
<a href="#">Clark, Gary R.</a>
<a href="#">Clarke, Arthur C.</a>
<a href="#">Cocconi, Giuseppe</a>
<a href="#">Cousins, Norman</a>

[David, Leonard](#)

[Dixon, Robert S.](#)

[Dodson, William R.](#)

[Drake, Frank D.](#)

[Dunwoody, Sharon](#)

[Editors of Cosmic Search](#)

[Fleury, Bruce E.](#)

[Fowler, William A.](#)

[Freitas, Jr., Robert A.](#)

[Freudenthal, Hans](#)

[Gatewood, George D.](#)

[Gearhart, Mirjana](#)

[Good, I. J. \(Irving John "Jack"\)](#)

[Holland, Earle M.](#)

[Jansky, C. M. Jr.](#)

[Kardashev, Nikolai S.](#)

[Kraus, John D.](#)

[Kutner, Marc L.](#)

[Kuttner, Robert E.](#)

[Lago, Don](#)

[Lovelock, James E.](#)

[Michaud, Michael A. G.](#)

[Morrison, Philip](#)

[Oliver, Bernard](#)

[O'Neill, Gerard K.](#)

[Öpik, Ernst J.](#)

[Pankonin, Vernon](#)

[Papagiannis, Michael D.](#)

[Pasachoff, Jay M.](#)

[Rhodes, William Albert](#)

[Rothstein, Jerome](#)

[Rubin, Robert H.](#)

[Sagan, Carl](#)

[Sakurai, Kunitomo](#)

[Singer, Clifford E.](#)

[Smith, Marcia S.](#)

[Stine, G. Harry](#)

[Sullivan, Walter](#)

[Swift, David W.](#)

[Tarter, Jill](#)

[Tinsley, Brian A.](#)

[Trimble, Virginia](#)

[Van Horn, Robert H.](#)

[von Hoerner, Sebastian](#)

[von Puttkamer, Jesco](#)

[Wheeler, John A.](#)

[Wills, Dorothy D.](#)

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## Table 3. Articles Within Each Issue

Table 3 is really a set of subtables, one for each of the 13 issues. Clicking on a link in Table 1 takes you to the appropriate subtable for that issue.

Click on a link in a subtable below to go to the indicated article; it will be shown in the next display.

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### Subtable 3.01: Articles Within Issue 1.

[P: 2; A: Robert S. Dixon and John Kraus, Editors; T: Editorial: About COSMIC SEARCH and SETI](#)

[P: 3; A: Richard Berendzen; T: Editorial: Science and The Multitudes](#)

[P: 4; A: Giuseppe Cocconi & Philip Morrison; T: Searching For Interstellar Communications](#)

[P: 7; A: Philip Morrison; T: Twenty Years After . . . .](#)

[P: 10; A: Frank D. Drake; T: A Reminiscence of Project Ozma](#)

[P: 16; A: S. Jocelyn Bell Burnell; T: Little Green Men, White Dwarfs or Pulsars?](#)

[P: 22; A: Arthur C. Clarke; T: Trouble in Aquila](#)

[P: 25; A: Editors; T: The SEnTinel \(SETI News\)](#)

[P: 30; A: Norman Cousins; T: Rendezvous with Infinity](#)

[P: 32; A: John Kraus; T: ABCs of SETI](#)

[P: 36; A: Richard Berendzen; T: Time and a Cosmic Perspective](#)

[P: 37; A: Walter Sullivan; T: What If We Succeed?](#)

[P: 40; A: Sebastian von Hoerner & Mirjana Gearhart; T: FORUM: von Hoerner on SETI](#)

[P: 46; A: Mirjana Gearhart; T: Off the Shelf](#)

[P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

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### **Subtable 3.02: Articles Within Issue 2.**

[P: 2; A: Carl Sagan; T: The Quest for Extraterrestrial Intelligence](#)

[P: 9; A: Editors; T: Letters; SETI Courses](#)

[P: 10; A: Don Lago; T: Circles of Stone and Circles of Steel](#)

[P: 15; A: Bernard M. Oliver; T: Editorial: Let's Get SETI Through Congress](#)

[P: 16; A: Gerard K. O'Neill & John Kraus; T: Gerard K. O'Neill on "Space Colonization and SETI"](#)

[P: 24; A: Editors; T: A Single Vote \(An Historical Fable by Sedgewick Seti\)](#)

[P: 25; A: Richard Berendzen; T: The Case for SETI](#)

[P: 30; A: Editors; T: The SENtInel \(SETI News\)](#)

[P: 35; A: Jerome Rothstein; T: Generalized Life](#)

[P: 39; A: John Kraus; T: ABCs of SETI](#)

[P: 47; A: Editors; T: In Review:](#)

[P: 48; A: R. N. Bracewell; T: Man's Role in the Galaxy](#)



[P: 52; A: Mirjana Gearhart; T: Off the Shelf](#)

[P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

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### **Subtable 3.03: Articles Within Issue 3.**

[P: 2; A: Jay M. Pasachoff & Marc L. Kutner; T: Neutrinos for Interstellar Communication](#)

[P: 9; A: Editors; T: Letters](#)

[P: 11; A: Michael A. G. Michaud; T: Extraterrestrial Politics](#)

[P: 15; A: Editors; T: Editorial: The Stars on Radio \(The Washington Post\)](#)

[P: 16; A: B. M. Oliver; T: Bio-Cosmology: A New NASA Thrust](#)

[P: 21; A: Michael A. Arbib; T: MINDS AND MILLENIA: The Psychology of Interstellar Communication](#)

[P: 26; A: Robert S. Dixon; T: The SEnTinel \(SETI News\)](#)

[P: 31; A: John Kraus; T: We Wait and Wonder](#)

[P: 35; A: Robert S. Dixon; T: Computers and the Garden Path](#)

[P: 36; A: John Kraus; T: ABCs of Space](#)

[P: 40; A: Editors; T: In Review:](#)

[P: 41; A: Editors; T: SETI Popular Topic in Colleges](#)

[P: 42; A: Mirjana Gearhart; T: Off the Shelf](#)

[P: 43; A: Jesco von Puttkamer; T: Extraterrestrial Life: Where is Everybody?](#)

[P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

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### **Subtable 3.04: Articles Within Issue 4.**

[P: 2; A: John A. Wheeler & Mirjana Gearhart; T: FORUM: John A. Wheeler - From the Big Bang to the Big Crunch](#)

[P: 9; A: Editors; T: Letters](#)

[P: 11; A: John Kraus; T: Editorial: Grand Designs of the Past, Present and Future](#)

[P: 12; A: C. M. Jansky, Jr.; T: My Brother Karl Jansky and his Discovery of Radio Waves from Beyond the Earth](#)

[P: 17; A: Louis Berman; T: What It Was Like Before Ozma](#)

[P: 21; A: Don Lago; T: A Hymn to Life in the Universe](#)

[P: 24; A: Editors; T: CETI Focus of Special Issue](#)

[P: 25; A: John Kraus; T: ABCs of Space](#)

[P: 30; A: Jesco von Puttkamer; T: Quest Beyond the Stars: Are We Alone?](#)

[P: 36; A: Robert S. Dixon; T: The SEnTinel \(SETI News\)](#)

[P: 39; A: Editors; T: SETI Popular in Colleges](#)

[P: 41; A: Roy P. Basler; T: The Possibilities of SETI from Space](#)

[P: 46; A: John Kraus; T: In Review:](#)

[P: 47; A: Mirjana Gearhart; T: Off the Shelf](#)

[P: 48; A: Editors; T: SETI Meetings](#)

[P: 50; A: Editors; T: Index to Volume 1](#)

[P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

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### **Subtable 3.05: Articles Within Issue 5.**

[P: 2; A: Trudy E. Bell; T: The Grand Analogy: History of the Idea of Extraterrestrial Life](#)

[P: 11; A: Editors; T: Letters](#)

[P: 13; A: Virginia Trimble; T: It's a Nice Planet to Visit, but I Wouldn't Want to Live There](#)

[P: 17; A: John Billingham & Robert S. Dixon; T: FORUM: Billingham on NASA and the Exploration of Space](#)

[P: 20; A: John Kraus; T: A Strange Radiation from Above](#)

[P: 24; A: Michael D. Papagiannis; T: "Strategies for the Search for Life in the Universe" - A Joint Session of the International Astronomical Union](#)

[P: 28; A: John Kraus; T: ABCs of Space](#)

[P: 33; A: Editors; T: SETI Meetings](#)

[P: 34; A: John Kraus; T: In Review:](#)

[P: 35; A: Hans Freudenthal; T: Towards a Cosmic Language](#)

[P: 40; A: Robert S. Dixon; T: The SEnTinel \(SETI News\)](#)

[P: 46; A: Editors; T: SETI Popular in Colleges](#)

[P: 48; A: Mirjana Gearhart; T: Off the Shelf](#)

[P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

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### **Subtable 3.06: Articles Within Issue 6.**

[P: 2; A: Bruce E. Fleury; T: The Aliens In Our Oceans: Dolphins As Analogs](#)

[P: 6; A: George H. Brown; T: Marconi](#)

[P: 9; A: Editors; T: Letters](#)

[P: 10; A: John Kraus; T: Editorial: Technology and the Future of Our Civilization](#)

[P: 11; A: Editors; T: Space Happenings](#)

[P: 12; A: Mirjana Gearhart; T: Off the Shelf](#)

[P: 13; A: I. J. \(Irving John "Jack"\) Good; T: The Chief Entities](#)

[P: 17; A: Mirjana Gearhart; T: In Review:](#)

[P: 18; A: Jill Tarter; T: Communication with Extraterrestrial Intelligence](#)

[P: 19; A: Jill Tarter; T: Life in the Universe](#)

[P: 20; A: Virginia Trimble; T: Where Are They?](#)

[P: 26; A: G. Harry Stine; T: Space Industrialization: Opportunity for Space Science](#)

[P: 30; A: Don Lago; T: In the Time Machine](#)

[P: 32; A: John Kraus; T: ABCs of Space](#)

[P: 38; A: Editors; T: College Courses on "Life in the Universe"](#)

[P: 40; A: Vernon Pankonin; T: Allocating the Radio Spectrum](#)

[P: 44; A: Robert S. Dixon; T: The SEnTinel \(SETI News\)](#)

[P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

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### **Subtable 3.07: Articles Within Issue 7.**

[P: 2; A: Leonard David; T: Putting Our Best Signal Forward](#)

[P: 8; A: Editors; T: More Marconi](#)

[P: 9; A: Frank D. Drake; T: A Speculation on the Influence of Biological Immortality](#)

[P: 11; A: Editors; T: In Review:](#)

[P: 12; A: Editors; T: Letters](#)

[P: 15; A: John Kraus; T: Australians Promote SETI](#)

[P: 16; A: John Kraus; T: ABCs of Space](#)

[P: 27; A: John Kraus; T: Diana Waves Back: The First Moon Bounce](#)

[P: 30; A: Marcia S. Smith; T: Confronting Political Realities — The Federal Funding Process: A SETI Case History](#)

[P: 35; A: Mirjana Gearhart; T: Off the Shelf](#)

[P: 36; A: Nikolai S. Kardashev; T: Strategies of Searching for Extraterrestrial Intelligence — A Fundamental Approach to the Basic Problem](#)

[P: 39; A: Joan Lurie; T: Science Communication in the Mass Media](#)

[P: 40; A: Editors; T: College Courses on "Life in the Universe"](#)

[P: 44; A: Robert S. Dixon; T: The SEnTInel \(SETI News\)](#)

[P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

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### **Subtable 3.08: Articles Within Issue 8.**

[P: 2; A: James E. Lovelock; T: The Recognition of Alien Biospheres](#)

[P: 5; A: Nikolai S. Kardashev; T: Strategies of Searching for Extraterrestrial Intelligence — A Fundamental Approach to the Basic Problem — Part Two, continued from the last issue \(No. 7\)](#)

[P: 7; A: Frank D. Drake; T: SETI](#)

[P: 8; A: Sharon Dunwoody; T: Why Is Scientific Writing Unintelligible?](#)

[P: 10; A: Brian A. Tinsley; T: Technical Development and Colonization as Factors in the Long-Term Variation in Limits to Growth](#)

[P: 12; A: George D. Gatewood; T: In Search of Planets \(The Extrasolar Planetary Foundation Report\)](#)

[P: 13; A: John Kraus; T: People](#)

[P: 14; A: Robert S. Dixon; T: The SEnTinel \(SETI News\)](#)

[P: 16; A: John Kraus; T: ABCs of Space](#)

[P: 18; A: John Kraus; T: In Review:](#)

[P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

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### **Subtable 3.09: Articles Within Issue 9.**

[P: 2; A: John D. R. Bahng; T: SETI and the Spectral Classification of Stars](#)

[P: 5; A: Isaac Asimov; T: Not as We Know it — The Chemistry of Life](#)

[P: 9; A: Frank D. Drake; T: In Which Klingons Became Chimeras](#)

[P: 10; A: Robert H. Rubin; T: Universal Chemical Evolution — The Chemistry of Space](#)

[P: 14; A: Editors; T: Letters](#)

[P: 15; A: Editors; T: College Courses on "Life in the Universe"](#)

[P: 16; A: Philip E. Barnhart; T: ETI in the Classroom](#)

[P: 19; A: Robert S. Dixon; T: The SEnTinel \(SETI News\)](#)

[P: 20; A: John Kraus; T: ABCs of Space](#)

[P: 22; A: John Kraus; T: People](#)

[P: 24; A: George D. Gatewood; T: In Search of Planets \(The Extrasolar Planetary Foundation Report\)](#)

[P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

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### **Subtable 3.10: Articles Within Issue 10.**

[P: 2; A: Ernst J. Öpik; T: Space Travel and Life Beyond the Earth](#)

[P: 5; A: Frank D. Drake; T: On Intelligence: A Wave of the Past and Future](#)

[P: 6; A: Earle M. Holland; T: What Makes Atoms Tick?](#)

[P: 8; A: Editors; T: Perpetual Index](#)

[P: 9; A: Editors; T: College Courses on "Life in the Universe"](#)

[P: 10; A: William R. Dodson; T: The Next Best Thing to Being There](#)

[P: 12; A: Editors; T: Letters](#)

[P: 13; A: Robert S. Dixon; T: The SEnTinel \(SETI News\)](#)

[P: 14; A: John Kraus; T: ABCs of Space](#)

[P: 17; A: Editors; T: In Review:](#)

[P: 18; A: John Kraus; T: People](#)

[P: 19; A: George D. Gatewood; T: In Search of Planets \(The Extrasolar Planetary Foundation Report\)](#)

[P: 20; A: Robert E. Kuttner; T: The Nature of Extraterrestrial Communication](#)

[P: 22; A: William Albert Rhodes; T: Intra-terrestrial Intelligence](#)

[P: 24; A: Philip H. Abelson; T: Science and Engineering Education](#)

[P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

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### **Subtable 3.11: Articles Within Issue 11.**

[P: 4; A: William A. Fowler and Robert H. Van Horn; T: The Age of the Universe — An Interview with William A. Fowler \(by Robert H. Van Horn\)](#)

[P: 6; A: Don Lago; T: Toward the Cosmic Brain](#)

[P: 8; A: Robert S. Dixon; T: The SEnTinel \(SETI News\)](#)

[P: 9; A: Editors; T: College Courses on "Life in the Universe"](#)

[P: 10; A: Ernst J. Öpik; T: Space Travel and Life Beyond the Earth \(Part 2\)](#)

[P: 12; A: John Kraus; T: People](#)

[P: 13; A: Robert H. Van Horn; T: In Review:](#)

[P: 14; A: Editors; T: Perpetual Index](#)

[P: 16; A: Robert A. Freitas, Jr.; T: The Cereal Box Syndrome](#)

[P: 17; A: Editors; T: Letters](#)

[P: 18; A: John Kraus; T: ABCs of Space](#)

[P: 22; A: Richard E. Berendzen; T: Time and a Cosmic Perspective](#)

[P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

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### **Subtable 3.12: Articles Within Issue 12.**

[P: 4; A: Dorothy D. Wills; T: Martian Safari](#)



[P: 7; A: Frank D. Drake; T: When the Brightest is the Farthest](#)

[P: 8; A: John Kraus; T: The First 50 Years of Radio Astronomy, Part 1: Karl Jansky and His Discovery of Radio Waves from Our Galaxy](#)

[P: 13; A: Robert H. Van Horn; T: Knowledge is Our Destiny](#)

[P: 14a; A: Robert H. Van Horn; T: In Review:](#)

[P: 14b; A: George D. Gatewood; T: The Extrasolar Planetary Foundation Report](#)

[P: 16; A: Kunitomo Sakurai and David W. Swift; T: SETI in Japan — An Interview with Kunitomo Sakurai \(by David W. Swift\)](#)

[P: 17; A: Editors; T: College Courses on "Life in the Universe"](#)

[P: 18; A: John Kraus; T: People and Places](#)

[P: 19; A: Editors; T: Letters](#)

[P: 20; A: Robert H. Van Horn; T: Olber's Paradox, or Why is the Sky Dark at Night?](#)

[P: 21; A: Robert S. Dixon; T: The SEnTInel \(SETI News\)](#)

[P: 22; A: John Kraus; T: A New "Road Map" of the Heavens — A long awaited publication event](#)

[P: 24; A: John Kraus; T: ABCs of Space](#)

[P: 27; A: Editors; T: Cumulative Index — Vols 1, 2 and 3 — 1979-80-81](#)

[P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

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### **Subtable 3.13: Articles Within Issue 13.**

[P: 4; A: Frank D. Drake; T: SETI Tallinn-81 — Communication With Extraterrestrial Intelligence](#)

[P: 6; A: Michael A. G. Michaud; T: The Last Question](#)

<a href="#">P: 8; A: Frank D. Drake; T: Putting the Cosmos on "Hold"</a>
<a href="#">P: 9; A: George D. Gatewood; T: The Extrasolar Planetary Foundation Report, The First Year</a>
<a href="#">P: 10; A: Marcia S. Smith; T: U.S. Space Policy — The Continuing Controversy</a>
<a href="#">P: 14; A: John Kraus; T: The First 50 Years of Radio Astronomy, Part 2: Grote Reber and the First Radio Maps of the Sky</a>
<a href="#">P: 19a; A: John Kraus; T: Faraday — Maxwell — Jansky (1831-1931)</a>
<a href="#">P: 19b; A: John Kraus; T: Why Explore? Hail Columbia!</a>
<a href="#">P: 20; A: David W. Swift; T: Impressions of Voyager 2 and Saturn — A Report</a>
<a href="#">P: 22; A: Clifford E. Singer; T: When to Look Where</a>
<a href="#">P: 24; A: John Kraus; T: ABCs of Space</a>
<a href="#">P: 29; A: H. James Birx and Gary R. Clark; T: The Cosmic Quest</a>
<a href="#">P: 30; A: Robert S. Dixon; T: SEnTinel (SETI News)</a>
<a href="#">P: 32; A: John Kraus; T: People and Places</a>
<a href="#">P: 35; A: Editors; T: Letters</a>
<a href="#">P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes &amp; Graphics</a>

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## Table 4. Articles By Each Author

Table 4 is really a set of subtables, one for each author. Clicking on a link in Table 2 takes you to the appropriate subtable for that author.

Click on a link in a subtable below to go to the indicated article; it will be shown in the next display.

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**Subtable 4-Abelson: Articles with Philip H. Abelson as an Author.**

[I: 10; P: 24; A: Philip H. Abelson; T: Science and Engineering Education](#)

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**Subtable 4-Arbib: Articles with Michael A. Arbib as an Author.**

[I: 03; P: 21; A: Michael A. Arbib; T: MINDS AND MILLENIA: The Psychology of Interstellar Communication](#)

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**Subtable 4-Asimov: Articles with Isaac Asimov as an Author.**

[I: 09; P: 5; A: Isaac Asimov; T: Not as We Know it — The Chemistry of Life](#)

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**Subtable 4-Bahng: Articles with John D. R. Bahng as an Author.**

[I: 09; P: 2; A: John D. R. Bahng; T: SETI and the Spectral Classification of Stars](#)

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**Subtable 4-Barnhart: Articles with Philip E. Barnhart as an Author.**

[I: 09; P: 16; A: Philip E. Barnhart; T: ETI in the Classroom](#)

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**Subtable 4-Basler: Articles with Roy P. Basler as an Author.**

[I: 04; P: 41; A: Roy P. Basler; T: The Possibilities of SETI from Space](#)

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**Subtable 4-Bell: Articles with Trudy E. Bell as an Author.**

[I: 05; P: 2; A: Trudy E. Bell; T: The Grand Analogy: History of the Idea of Extraterrestrial Life](#)

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#### **Subtable 4-Berendzen: Articles with Richard Berendzen as an Author.**

[I: 01; P: 3; A: Richard Berendzen; T: Editorial: Science and The Multitudes](#)

[I: 01; P: 36; A: Richard Berendzen; T: Time and a Cosmic Perspective](#)

[I: 02; P: 25; A: Richard Berendzen; T: The Case for SETI](#)

[I: 11; P: 22; A: Richard E. Berendzen; T: Time and a Cosmic Perspective](#)

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#### **Subtable 4-Berman: Articles with Louis Berman as an Author.**

[I: 04; P: 17; A: Louis Berman; T: What It Was Like Before Ozma](#)

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#### **Subtable 4-Billingham: Articles with John Billingham as an Author.**

[I: 05; P: 17; A: John Billingham & Robert S. Dixon; T: FORUM: Billingham on NASA and the Exploration of Space](#)

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#### **Subtable 4-Birx: Articles with H. James Birx as an Author.**

[I: 13; P: 29; A: H. James Birx and Gary R. Clark; T: The Cosmic Quest](#)

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#### **Subtable 4-Bracewell: Articles with R. N. Bracewell as an Author.**

[I: 02; P: 48; A: R. N. Bracewell; T: Man's Role in the Galaxy](#)

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**Subtable 4-Brown: Articles with George H. Brown as an Author.**

[I: 06; P: 6; A: George H. Brown; T: Marconi](#)

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**Subtable 4-Burnell: Articles with S. Jocelyn Bell Burnell as an Author.**

[I: 01; P: 16; A: S. Jocelyn Bell Burnell; T: Little Green Men, White Dwarfs or Pulsars?](#)

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**Subtable 4-Clark: Articles with Gary R. Clark as an Author.**

[I: 13; P: 29; A: H. James Birx and Gary R. Clark; T: The Cosmic Quest](#)

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**Subtable 4-Clarke: Articles with Arthur C. Clarke as an Author.**

[I: 01; P: 22; A: Arthur C. Clarke; T: Trouble in Aquila](#)

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**Subtable 4-Cocconi: Articles with Giuseppe Cocconi as an Author.**

[I: 01; P: 4; A: Giuseppe Cocconi & Philip Morrison; T: Searching For Interstellar Communications](#)

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**Subtable 4-Cousins: Articles with Norman Cousins as an Author.**

[I: 01; P: 30; A: Norman Cousins; T: Rendezvous with Infinity](#)

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## **Subtable 4-David: Articles with Leonard David as an Author.**

[I: 07; P: 2; A: Leonard David; T: Putting Our Best Signal Forward](#)

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## **Subtable 4-Dixon: Articles with Robert S. Dixon as an Author.**

[I: 01; P: 2; A: Robert S. Dixon and John Kraus, Editors; T: Editorial: About COSMIC SEARCH and SETI](#)

[I: 03; P: 26; A: Robert S. Dixon; T: The SEnTInel \(SETI News\)](#)

[I: 03; P: 35; A: Robert S. Dixon; T: Computers and the Garden Path](#)

[I: 04; P: 36; A: Robert S. Dixon; T: The SEnTInel \(SETI News\)](#)

[I: 05; P: 2; A: John Billingham & Robert S. Dixon; T: FORUM: Billingham on NASA and the Exploration of Space](#)

[I: 05; P: 40; A: Robert S. Dixon; T: The SEnTInel \(SETI News\)](#)

[I: 06; P: 44; A: Robert S. Dixon; T: The SEnTInel \(SETI News\)](#)

[I: 07; P: 44; A: Robert S. Dixon; T: The SEnTInel \(SETI News\)](#)

[I: 08; P: 14; A: Robert S. Dixon; T: The SEnTInel \(SETI News\)](#)

[I: 09; P: 19; A: Robert S. Dixon; T: The SEnTInel \(SETI News\)](#)

[I: 10; P: 13; A: Robert S. Dixon; T: The SEnTInel \(SETI News\)](#)

[I: 11; P: 8; A: Robert S. Dixon; T: The SEnTInel \(SETI News\)](#)

[I: 12; P: 21; A: Robert S. Dixon; T: The SEnTInel \(SETI News\)](#)

[I: 13; P: 30; A: Robert S. Dixon; T: SEnTInel \(SETI News\)](#)

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## **Subtable 4-Dodson: Articles with William R. Dodson as an Author.**

[I: 10; P: 10; A: William R. Dodson; T: The Next Best Thing to Being There](#)

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### **Subtable 4-Drake: Articles with Frank D. Drake as an Author.**

[I: 01; P: 10; A: Frank D. Drake; T: A Reminiscence of Project Ozma](#)

[I: 07; P: 9; A: Frank D. Drake; T: A Speculation on the Influence of Biological Immortality](#)

[I: 08; P: 7; A: Frank D. Drake; T: SETI](#)

[I: 09; P: 9; A: Frank D. Drake; T: In Which Klingons Became Chimeras](#)

[I: 10; P: 5; A: Frank D. Drake; T: On Intelligence: A Wave of the Past and Future](#)

[I: 12; P: 7; A: Frank D. Drake; T: When the Brightest is the Farthest](#)

[I: 13; P: 4; A: Frank D. Drake; T: SETI Tallinn-81 — Communication With Extraterrestrial Intelligence](#)

[I: 13; P: 8; A: Frank D. Drake; T: Putting the Cosmos on "Hold"](#)

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### **Subtable 4-Dunwoody: Articles with Sharon Dunwoody as an Author.**

[I: 08; P: 8; A: Sharon Dunwoody; T: Why Is Scientific Writing Unintelligible?](#)

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### **Subtable 4-Editor(s): Articles with Editor(s) of Cosmic Search as Author(s).**

[I: 01; P: 25; A: Editors; T: The SEnTinel \(SETI News\)](#)

[I: 01; P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

[I: 02; P: 24; A: Editors; T: A Single Vote \(An Historical Fable by Sedgewick Seti\)](#)

[I: 02; P: 30; A: Editors; T: The SEnTinel \(SETI News\)](#)

[I: 02; P: 47; A: Editors; T: In Review:](#)

[I: 02; P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

[I: 03; P: 9; A: Editors; T: Letters](#)

[I: 03; P: 15; A: Editors; T: Editorial: The Stars on Radio \(The Washington Post\)](#)

[I: 03; P: 40; A: Editors; T: In Review:](#)

[I: 03; P: 41; A: Editors; T: SETI Popular Topic in Colleges](#)

[I: 03; P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

[I: 04; P: 9; A: Editors; T: Letters](#)

[I: 04; P: 24; A: Editors; T: CETI Focus of Special Issue](#)

[I: 04; P: 39; A: Editors; T: SETI Popular in Colleges](#)

[I: 04; P: 48; A: Editors; T: SETI Meetings](#)

[I: 04; P: 50; A: Editors; T: Index to Volume 1](#)

[I: 04; P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

[I: 05; P: 11; A: Editors; T: Letters](#)

[I: 05; P: 33; A: Editors; T: SETI Meetings](#)

[I: 05; P: 46; A: Editors; T: SETI Popular in Colleges](#)

[I: 05; P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

[I: 06; P: 9; A: Editors; T: Letters](#)



[I: 06; P: 11; A: Editors; T: Space Happenings](#)

[I: 06; P: 38; A: Editors; T: College Courses on "Life in the Universe"](#)

[I: 06; P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

[I: 07; P: 8; A: Editors; T: More Marconi](#)

[I: 07; P: 11; A: Editors; T: In Review:](#)

[I: 07; P: 12; A: Editors; T: Letters](#)

[I: 07; P: 40; A: Editors; T: College Courses on "Life in the Universe"](#)

[I: 07; P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

[I: 08; P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

[I: 09; P: 14; A: Editors; T: Letters](#)

[I: 09; P: 15; A: Editors; T: College Courses on "Life in the Universe"](#)

[I: 09; P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

[I: 10; P: 8; A: Editors; T: Perpetual Index](#)

[I: 10; P: 9; A: Editors; T: College Courses on "Life in the Universe"](#)

[I: 10; P: 12; A: Editors; T: Letters](#)

[I: 10; P: 17; A: Editors; T: In Review:](#)

[I: 10; P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

[I: 11; P: 9; A: Editors; T: College Courses on "Life in the Universe"](#)

[I: 11; P: 14; A: Editors; T: Perpetual Index](#)

[I: 11; P: 17; A: Editors; T: Letters](#)

[I: 11; P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

[I: 12; P: 17; A: Editors; T: College Courses on "Life in the Universe"](#)

[I: 12; P: 19; A: Editors; T: Letters](#)

[I: 12; P: 27; A: Editors; T: Cumulative Index — Vols 1, 2 and 3 — 1979-80-81](#)

[I: 12; P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

[I: 13; P: 35; A: Editors; T: Letters](#)

[I: 13; P: various; A: Editors; T: Miscellaneous: Information from the Editors, Quotes & Graphics](#)

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#### **Subtable 4-Fleury: Articles with Bruce E. Fleury as an Author.**

[I: 06; P: 2; A: Bruce E. Fleury; T: The Aliens In Our Oceans: Dolphins As Analogs](#)

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#### **Subtable 4-Fowler: Articles with William A. Fowler as an Author.**

[I: 11; P: 4; A: William A. Fowler and Robert H. Van Horn; T: The Age of the Universe — An Interview with William A. Fowler \(by Robert H. Van Horn\)](#)

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#### **Subtable 4-Freitas: Articles with Robert A. Freitas, Jr. as an Author.**

[I: 11; P: 16; A: Robert A. Freitas, Jr.; T: The Cereal Box Syndrome](#)

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#### **Subtable 4-Freudenthal: Articles with Hans Freudenthal as an Author.**

[I: 05; P: 35; A: Hans Freudenthal; T: Towards a Cosmic Language](#)

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#### **Subtable 4-Gatewood: Articles with George D. Gatewood as an Author.**

[I: 08; P: 12; A: George D. Gatewood; T: In Search of Planets \(The Extrasolar Planetary Foundation Report\)](#)

[I: 09; P: 24; A: George D. Gatewood; T: In Search of Planets \(The Extrasolar Planetary Foundation Report\)](#)

[I: 10; P: 19; A: George D. Gatewood; T: In Search of Planets \(The Extrasolar Planetary Foundation Report\)](#)

[I: 12; P: 14b; A: George D. Gatewood; T: The Extrasolar Planetary Foundation Report](#)

[I: 13; P: 9; A: George D. Gatewood; T: The Extrasolar Planetary Foundation Report, The First Year](#)

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#### **Subtable 4-Gearhart: Articles with Mirjana Gearhart as an Author.**

[I: 01; P: 40; A: Sebastian von Hoerner & Mirjana Gearhart; T: FORUM: von Hoerner on SETI](#)

[I: 01; P: 46; A: Mirjana Gearhart; T: Off the Shelf](#)

[I: 02; P: 52; A: Mirjana Gearhart; T: Off the Shelf](#)

[I: 03; P: 42; A: Mirjana Gearhart; T: Off the Shelf](#)

[I: 04; P: 2; A: John A. Wheeler & Mirjana Gearhart; T: FORUM: John A. Wheeler - From the Big Bang to the Big Crunch](#)

[I: 04; P: 47; A: Mirjana Gearhart; T: Off the Shelf](#)

[I: 05; P: 48; A: Mirjana Gearhart; T: Off the Shelf](#)

[I: 06; P: 12; A: Mirjana Gearhart; T: Off the Shelf](#)

[I: 06; P: 17; A: Mirjana Gearhart; T: In Review:](#)

[I: 07; P: 35; A: Mirjana Gearhart; T: Off the Shelf](#)

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#### **Subtable 4-Good: Articles with I. J. (Irving John "Jack") Good as an Author.**

[I: 06; P: 13; A: I. J. \(Irving John "Jack"\) Good; T: The Chief Entities](#)

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#### **Subtable 4-Holland: Articles with Earle M. Holland as an Author.**

[I: 10; P: 6; A: Earle M. Holland; T: What Makes Atoms Tick?](#)

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#### **Subtable 4-Jansky: Articles with C. M. Jansky, Jr. as an Author.**

[I: 04; P: 12; A: C. M. Jansky, Jr.; T: My Brother Karl Jansky and his Discovery of Radio Waves from Beyond the Earth](#)

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#### **Subtable 4-Kardashev: Articles with Nikolai S. Kardashev as an Author.**

[I: 07; P: 36; A: Nikolai S. Kardashev; T: Strategies of Searching for Extraterrestrial Intelligence — A Fundamental Approach to the Basic Problem](#)

[I: 08; P: 5; A: Nikolai S. Kardashev; T: Strategies of Searching for Extraterrestrial Intelligence — A Fundamental Approach to the Basic Problem — Part Two, continued from the last issue \(No. 7\)](#)

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#### **Subtable 4-Kraus: Articles with John D. Kraus as an Author.**

[I: 01; P: 2; A: Robert S. Dixon and John Kraus, Editors; T: Editorial: About COSMIC SEARCH and SETI](#)

[I: 01; P: 32; A: John Kraus; T: ABCs of SETI](#)

[I: 02; P: 16; A: Gerard K. O'Neill & John Kraus; T: Gerard K. O'Neill on "Space Colonization and SETI"](#)

[I: 02; P: 39; A: John Kraus; T: ABCs of SETI](#)

[I: 03; P: 31; A: John Kraus; T: We Wait and Wonder](#)

[I: 03; P: 36; A: John Kraus; T: ABCs of Space](#)

[I: 04; P: 11; A: John Kraus; T: Editorial: Grand Designs of the Past, Present and Future](#)

[I: 04; P: 25; A: John Kraus; T: ABCs of Space](#)

[I: 04; P: 46; A: John Kraus; T: In Review:](#)

[I: 05; P: 20; A: John Kraus; T: A Strange Radiation from Above](#)

[I: 05; P: 28; A: John Kraus; T: ABCs of Space](#)

[I: 05; P: 34; A: John Kraus; T: In Review:](#)

[I: 06; P: 10; A: John Kraus; T: Editorial: Technology and the Future of Our Civilization](#)

[I: 06; P: 32; A: John Kraus; T: ABCs of Space](#)

[I: 07; P: 15; A: John Kraus; T: Australians Promote SETI](#)

[I: 07; P: 16; A: John Kraus; T: ABCs of Space](#)

[I: 07; P: 27; A: John Kraus; T: Diana Waves Back: The First Moon Bounce](#)

[I: 08; P: 13; A: John Kraus; T: People](#)

[I: 08; P: 16; A: John Kraus; T: ABCs of Space](#)

[I: 08; P: 18; A: John Kraus; T: In Review:](#)

[I: 09; P: 20; A: John Kraus; T: ABCs of Space](#)

[I: 09; P: 22; A: John Kraus; T: People](#)

[I: 10; P: 14; A: John Kraus; T: ABCs of Space](#)

[I: 10; P: 18; A: John Kraus; T: People](#)

[I: 11; P: 12; A: John Kraus; T: People](#)

[I: 11; P: 18; A: John Kraus; T: ABCs of Space](#)

[I: 12; P: 8; A: John Kraus; T: The First 50 Years of Radio Astronomy, Part 1: Karl Jansky and His Discovery of Radio Waves from Our Galaxy](#)

[I: 12; P: 18; A: John Kraus; T: People and Places](#)

[I: 12; P: 22; A: John Kraus; T: A New "Road Map" of the Heavens — A long awaited publication event](#)

[I: 12; P: 24; A: John Kraus; T: ABCs of Space](#)

[I: 13; P: 14; A: John Kraus; T: The First 50 Years of Radio Astronomy, Part 2: Grote Reber and the First Radio Maps of the Sky](#)

[I: 13; P: 19a; A: John Kraus; T: Faraday — Maxwell — Jansky \(1831-1931\)](#)

[I: 13; P: 19b; A: John Kraus; T: Why Explore? Hail Columbia!](#)

[I: 13; P: 24; A: John Kraus; T: ABCs of Space](#)

[I: 13; P: 32; A: John Kraus; T: People and Places](#)

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#### **Subtable 4-Kutner: Articles with Marc L. Kutner as an Author.**

[I: 03; P: 2; A: Jay M. Pasachoff & Marc L. Kutner; T: Neutrinos for Interstellar Communication](#)

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**Subtable 4-Kuttner: Articles with Robert E. Kuttner as an Author.**

[I: 10; P: 20; A: Robert E. Kuttner; T: The Nature of Extraterrestrial Communication](#)

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**Subtable 4-Lago: Articles with Don Lago as an Author.**

[I: 02; P: 10; A: Don Lago; T: Circles of Stone and Circles of Steel](#)

[I: 04; P: 21; A: Don Lago; T: A Hymn to Life in the Universe](#)

[I: 06; P: 30; A: Don Lago; T: In the Time Machine](#)

[I: 11; P: 6; A: Don Lago; T: Toward the Cosmic Brain](#)

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**Subtable 4-Lovelock: Articles with James E. Lovelock as an Author.**

[I: 08; P: 2; A: James E. Lovelock; T: The Recognition of Alien Biospheres](#)

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**Subtable 4-Lurie: Articles with Joan Lurie as an Author.**

[I: 07; P: 39; A: Joan Lurie; T: Science Communication in the Mass Media](#)

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**Subtable 4-Michaud: Articles with Michael A. G. Michaud as an Author.**

[I: 03; P: 11; A: Michael A. G. Michaud; T: Extraterrestrial Politics](#)

[I: 13; P: 6; A: Michael A. G. Michaud; T: The Last Question](#)

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**Subtable 4-Morrison: Articles with Philip Morrison as an Author.**

[I: 01; P: 4; A: Giuseppe Cocconi & Philip Morrison; T: Searching For Interstellar Communications](#)

[I: 01; P: 7; A: Philip Morrison; T: Twenty Years After . . . .](#)

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#### **Subtable 4-Oliver: Articles with Bernard M. Oliver as an Author.**

[I: 02; P: 15; A: Bernard M. Oliver; T: Editorial: Let's Get SETI Through Congress](#)

[I: 03; P: 16; A: B. M. Oliver; T: Bio-Cosmology: A New NASA Thrust](#)

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#### **Subtable 4-O'Neill: Articles with Gerard K. O'Neill as an Author.**

[I: 02; P: 16; A: Gerard K. O'Neill & John Kraus; T: Gerard K. O'Neill on "Space Colonization and SETI"](#)

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#### **Subtable 4-Öpik: Articles with Ernst J. Öpik as an Author.**

[I: 10; P: 2; A: Ernst J. Öpik; T: Space Travel and Life Beyond the Earth](#)

[I: 11; P: 10; A: Ernst J. Öpik; T: Space Travel and Life Beyond the Earth \(Part 2\)](#)

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#### **Subtable 4-Pankonin: Articles with Vernon Pankonin as an Author.**

[I: 06; P: 40; A: Vernon Pankonin; T: Allocating the Radio Spectrum](#)

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#### **Subtable 4-Papagiannis: Articles with Michael D. Papagiannis as an Author.**



[I: 05; P: 24; A: Michael D. Papagiannis; T: "Strategies for the Search for Life in the Universe" - A Joint Session of the International Astronomical Union](#)

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**Subtable 4-Pasachoff: Articles with Jay M. Pasachoff as an Author.**

[I: 03; P: 2; A: Jay M. Pasachoff & Marc L. Kutner; T: Neutrinos for Interstellar Communication](#)

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**Subtable 4-Rhodes: Articles with William Albert Rhodes as an Author.**

[I: 10; P: 22; A: William Albert Rhodes; T: Intra-terrestrial Intelligence](#)

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**Subtable 4-Rothstein: Articles with Jerome Rothstein as an Author.**

[I: 02; P: 35; A: Jerome Rothstein; T: Generalized Life](#)

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**Subtable 4-Rubin: Articles with Robert H. Rubin as an Author.**

[I: 09; P: 10; A: Robert H. Rubin; T: Universal Chemical Evolution — The Chemistry of Space](#)

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**Subtable 4-Sagan: Articles with Carl Sagan as an Author.**

[I: 02; P: 2; A: Carl Sagan; T: The Quest for Extraterrestrial Intelligence](#)

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**Subtable 4-Sakurai: Articles with Kunitomo Sakurai as an Author.**

[I: 12; P: 16; A: Kunitomo Sakurai and David W. Swift; T: SETI in Japan — An Interview with Kunitomo Sakurai \(by David W. Swift\)](#)

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**Subtable 4-Singer: Articles with Clifford E. Singer as an Author.**

[I: 13; P: 22; A: Clifford E. Singer; T: When to Look Where](#)

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**Subtable 4-Smith: Articles with Marcia S. Smith as an Author.**

[I: 07; P: 30; A: Marcia S. Smith; T: Confronting Political Realities — The Federal Funding Process: A SETI Case History](#)

[I: 13; P: 10; A: Marcia S. Smith; T: U.S. Space Policy — The Continuing Controversy](#)

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**Subtable 4-Stine: Articles with G. Harry Stine as an Author.**

[I: 06; P: 26; A: G. Harry Stine; T: Space Industrialization: Opportunity for Space Science](#)

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**Subtable 4-Sullivan: Articles with Walter Sullivan as an Author.**

[I: 01; P: 37; A: Walter Sullivan; T: What If We Succeed?](#)

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**Subtable 4-Swift: Articles with David W. Swift as an Author.**

[I: 12; P: 16; A: Kunitomo Sakurai and David W. Swift; T: SETI in Japan — An Interview with Kunitomo Sakurai \(by David W. Swift\)](#)

[I: 13; P: 20; A: David W. Swift; T: Impressions of Voyager 2 and Saturn — A Report](#)

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### **Subtable 4-Tarter: Articles with Jill Tarter as an Author.**

[I: 06; P: 18; A: Jill Tarter; T: Communication with Extraterrestrial Intelligence](#)

[I: 06; P: 19; A: Jill Tarter; T: Life in the Universe](#)

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### **Subtable 4-Tinsley: Articles with Brian A. Tinsley as an Author.**

[I: 08; P: 10; A: Brian A. Tinsley; T: Technical Development and Colonization as Factors in the Long-Term Variation in Limits to Growth](#)

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### **Subtable 4-Trimble: Articles with Virginia Trimble as an Author.**

[I: 05; P: 13; A: Virginia Trimble; T: It's a Nice Planet to Visit, but I Wouldn't Want to Live There](#)

[I: 06; P: 20; A: Virginia Trimble; T: Where Are They?](#)

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### **Subtable 4-Van Horn: Articles with Robert H. Van Horn as an Author.**

[I: 11; P: 4; A: William A. Fowler and Robert H. Van Horn; T: The Age of the Universe — An Interview with William A. Fowler \(by Robert H. Van Horn\)](#)

[I: 11; P: 13; A: Robert H. Van Horn; T: In Review:](#)

[I: 12; P: 13; A: Robert H. Van Horn; T: Knowledge is Our Destiny](#)

[I: 12; P: 14a; A: Robert H. Van Horn; T: In Review:](#)

[I: 12; P: 20; A: Robert H. Van Horn; T: Olber's Paradox, or Why is the Sky Dark at Night?](#)

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### **Subtable 4-von Hoerner: Articles with Sebastian von Hoerner as an Author.**

[P: 40; A: Sebastian von Hoerner & Mirjana Gearhart; T: FORUM: von Hoerner on SETI](#)

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### **Subtable 4-von Puttkamer: Articles with Jesco von Puttkamer as an Author.**

[I: 03; P: 43; A: Jesco von Puttkamer; T: Extraterrestrial Life: Where is Everybody?](#)

[I: 04; P: 30; A: Jesco von Puttkamer; T: Quest Beyond the Stars: Are We Alone?](#)

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### **Subtable 4-Wheeler: Articles with John A. Wheeler as an Author.**

[I: 04; P: 2; A: John A. Wheeler & Mirjana Gearhart; T: FORUM: John A. Wheeler - From the Big Bang to the Big Crunch](#)

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### **Subtable 4-Wills: Articles with Dorothy D. Wills as an Author.**

[I: 12; P: 4; A: Dorothy D. Wills; T: Martian Safari](#)

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## **Table 5. Links to One File for Each Issue**

Click on link in I (S) column to go to obtain the "all" file that contains all articles and miscellaneous items for each issue.

<b>I (S)</b>	<b>V,N</b>	<b>Date</b>
<a href="#"><u>01</u></a>	1,1	January 1979
<a href="#"><u>02</u></a>	1,2	March 1979
<a href="#"><u>03</u></a>	1,3	Summer 1979
<a href="#"><u>04</u></a>	1,4	Fall (Oct., Nov., Dec.) 1979
<a href="#"><u>05</u></a>	2,1	Winter (Jan., Feb., Mar.) 1980
<a href="#"><u>06</u></a>	2,2	Spring (Apr., May, June) 1980
<a href="#"><u>07</u></a>	2,3	Summer (July, Aug., Sept.) 1980
<a href="#"><u>08</u></a>	2,4	Year End 1980
<a href="#"><u>09</u></a>	3,1	Winter 1981
<a href="#"><u>10</u></a>	3,2	Spring 1981
<a href="#"><u>11</u></a>	3,3	Summer 1981
<a href="#"><u>12</u></a>	3,4	Fall 1981
<a href="#"><u>13</u></a>	4,1	First half 1982

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## **Table 6. Links to Advertising (One File for Each Issue)**

Click on link in I (S) column to go to obtain the "ads" file that contains all advertising for each issue.

<b>I (S)</b>	<b>V,N</b>	<b>Date</b>
<a href="#"><u>01</u></a>	1,1	January 1979
<a href="#"><u>02</u></a>	1,2	March 1979
<a href="#"><u>03</u></a>	1,3	Summer 1979

<a href="#"><u>04</u></a>	1,4	Fall (Oct., Nov., Dec.) 1979
<a href="#"><u>05</u></a>	2,1	Winter (Jan., Feb., Mar.) 1980
<a href="#"><u>06</u></a>	2,2	Spring (Apr., May, June) 1980
<a href="#"><u>07</u></a>	2,3	Summer (July, Aug., Sept.) 1980
<a href="#"><u>08</u></a>	2,4	Year End 1980
<a href="#"><u>09</u></a>	3,1	Winter 1981
<a href="#"><u>10</u></a>	3,2	Spring 1981
<a href="#"><u>11</u></a>	3,3	Summer 1981
<a href="#"><u>12</u></a>	3,4	Fall 1981
<a href="#"><u>13</u></a>	4,1	First half 1982

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Designed by Jerry Ehman.

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