

CATALOGUE OF SETI PUBLICATIONS

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Introduction

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This work has been commissioned by the International Academy of Astronautics (IAA) SETI Permanent Committee as part of the history of SETI working group. It is not intended as an ultimate reference in the matter but rather a compilation of publications related to SETI. It should be used as a starting point of any SETI bibliographic research.

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For any corrections or additions, please send your comments to jgsdumas@gmail.com

PAPERS

List of papers related to SETI

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(P008)	Ambarzumian, V.A.	First Soviet-American Conference on Communication with Extraterrestrial Intelligence (CETI)	Icarus, v16, p.412-414, (1972)

- (P009) Ambarzumian, V.A. List of participants CETI conference (1971)
Byurakan, 5-11 September, 1971
- (P010) Anderson, D. P. SETI at Home Internet Distributed ASP Conference
Werthimer, D. Computing for SETI Series, v213, p.511-
Cobb, J. 518, (2000)
- (P011) Aretxaga-Burgos, R. Cultural implications of the search and Genesis - in the
Chela-Flores, J. eventual discovery of a second genesis beginning pre-
cursors of life,
chemical models
and early biological
evolution, v22,
p.873-890, (2012)
- (P012) Armstrong, S. Eternity in six hours : intergalactic Acta Astronautica,
Sandberg, A. spreading of intelligent life and sharp- v89, p.1-13, (2013)
ening the Fermi paradox
- (P013) Arrhenius, S. The transmission of life through the
universe
- (P014) Ashkenazi, M. SETI and Human Behavior : Human
Arbold, R. Responses to an ETI Signal Detection
Coulter, G.
- (P015) Atri, D. A Protocol for Messaging to Extrater-
DeMarines, J. restrial Intelligence
Haqq-Misra, J.
- (P016) Atwell, E. A corpus for interstellar communication
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- (P017) Atwell, E. Comparing linguistic interpretation
Demetriou, G. schemes for English corpora
Hughes, J.
- (P018) Backus, P. R. Real time data acquisition in SETI Acta Astronautica,
Jordan, J. C. v26, #3, p.169-172,
Harper, D. G. (1992)
- (P019) Backus, P. R. Project Phoenix - SETI Observations ASP Conference
from 1200 to 1750 MHz with the Up- Series, v278, p.525-
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- (P020) Backus, P.R. The NASA SETI Microwave Observing Project Targeted Search ASP Conference Series, v47, (1993)
- (P021) Bainbridge, W. S. Attitudes Toward Interstellar Communication - An Empirical Study JBIS, v36, p.298-304, (1983)
- (P022) Balazs, B. A. SETI and the Galactic Belt of Intelligent Life ASP Conference Series, v213, p.441-444, (2000)
- (P023) Ball, J.A. The Zoo hypothesis Icarus, v19, p.347-349, (1973)
- (P024) Banin, A.
Navrot, J. Chemical fingerprint of life in terrestrial soils and their possible use for the detection of life on Mars and other planets Icarus, v37, p.347-350, (1979)
- (P025) Baster, S.
Elliott, J. A SETI metapolicy : new directions towards comprehensive policies concerning the detection of extraterrestrial intelligence Acta Astronautica, v78, p.31-36, (2012)
- (P026) Bates, D. R. Communication with galactic civilizations Physics Bulletin, v23, p.26-29, (1972)
- (P027) Baum, S.D.
Haqq-Misra, J. Would Contact with Extraterrestrials Benefit or Harm Humanity? A Scenario Analysis Acta Astronautica, v68, #11, p.2114-2129, (2011)
- (P028) Benford, G.
Benford, J.
Benford, D. searching for cost optimized interstellar beacons
- (P029) Benford, J.
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- (P030) Benford, J.
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Benford, D. Messaging with cost optimized interstellar beacons
- (P031) Berg, A.S. Scanning the cosmos: the search for life in the universe McGill Science undergraduate research journal, v7, (2012)

- (P032) Betz, A. A directed search for extraterrestrial laser signals
- (P033) Bezsudnov, I. Snarskii, A. Where is Everybody?.. Wait a Moment... New Approach to the Fermi Paradox
- (P034) Bhathal, R. Vozzo, L. Ross, D. SETI education programs in Austrlia Acta Astronautica, v46, #10, p.701-705, (2000)
- (P035) Bhathal, R. Australian optical SETI project ASP Conference Series, v213, p.553-558, (2000)
- (P036) Billingham, J. Oliver, B. M. Wolfe, J. H. A review of the theory of interstellar communication Acta Astronautica, v6, p.47-57, (1979)
- (P037) Billingham, J. Cultural aspects of the search for extraterrestrial intelligence Acta Astronautica, v42, #10, p.711-719, (1998)
- (P038) Billingham, J. Tarter, J. Detection of the Earth with the SETI microwave observing system assumed to be operating out in the galaxy Acta Astronautica, v26, #3, p.185-188, (1992)
- (P039) Billingham, J. Pesek Lecture : SETI and society : decision trees Acta Astronautica, v51, #10, p.667-672, (2002)
- (P040) Billingham, J. Risk and value analysis of SETI Acta Astronautica, v21, #2, p.69-72, (1990)
- (P041) Billingham, J. Summary of results of the seminar on the cultural impact of extraterrestrial contact ASP conference series, v213, p.667-675, (2000)
- (P042) Billingham, J. Benford, J. costs and difficulties of large-scale messaging, and the need for international debate on potential risks
- (P043) Billingham, J. Search for extraterrestrial intelligence

- (P044) Biraud, F. Tarter, J. Conclusion of the selected target search at the Nancay observatory Acta Astronautica, v26, #3, p.201-204, (1992)
- (P045) Biraud, F. SETI at the Nancay radiotelescope Acta Astronautica, v10, #11, p.759-760, (1983)
- (P046) Blair, D. G. Zadnik, M. G. A list of possible interstellar communication channel frequencies for SETI Astron. Astrophys., #278, p.669-672, (1993)
- (P047) Blair, D. G. Norris, R. P. Troup, E. R. A narrow-band search for extraterrestrial intelligence using the interstellar contact channel hypothesis Mon. Not. R. Astr. Soc, #257, p.105-109, (1992)
- (P048) Bostrom, N. Where are they? MIT technology review, p.72-77, (2008)
- (P049) Bowyer, S. Zeitlin, G. Tarter, J. The Berkeley parasitic SETI program Icarus, v53, p.147-155, (1983)
- (P050) Bowye, S. Forty Trillion Signals From Serendip - The Berkeley SETI Program ASP Conference Series, v74, p.285-292, (1995)
- (P051) Bozhilov, V. Duncan, H. F. The Entropy Principle and the influence of sociological pressures on SETI (2010)
- (P052) Bracewell, R. N. An Extended Drake Equation, the longevity separation relation inhomogeneities and chain formation Acta Astronautica, v6, p.67-69, (1979)
- (P053) Bracewell, R. N. MacPhie, R. H. Searching for nonsolar planets Icarus, v38, p.136-147, (1979)
- (P054) Bracewell, R. N. Communications from superior galactic communities Nature, v186, p.670-671, (1960)
- (P055) Breher, J. W. Against the use of power law luminosity functions for ET beacons

- (P056) Brin, D. The Great Silence : the controversy Concerning Extraterrestrial Intelligent Life Q.Jl. R. Astr. Soc., #24, p.283-309, (1983)
- (P057) Brin, D. a contrarian perspective on altruism : the dangers of first contact
- (P058) Briot, D. Is it the first use of the word Astrobiology ?
- (P059) Busch, M. W.
Reddick, R. M. Testing SETI Message Designs
- (P060) Callimahos, L. Communication with Extraterrestrial Intelligence
- (P061) Carrigan, R. Starry Messages : Searching for Signatures of Interstellar Archaeology
- (P062) Carrigan, R. A. Do potential SETI signals need to be decontaminated ? Acta Astronautica, v58, p.112-117, (2006)
- (P063) Carrigan, R. A. Is interstellar archeology possible ? Acta Astronautica, v78, p.121-126, (2012)
- (P064) Carrigan, R.A. The ultimate hacker: SETI signals may need to be decontaminated (2002)
- (P065) Cavicchioli, R. Extremophiles and the search for extraterrestrial life Astrobiology, v2, #3, p.281-292, (2002)
- (P066) Chapman, Al. A world in the Moon: John Wilkins and his lunar voyage of 1640 Q. Jl. R. astr. Soc, v32, p.121-132, (1991)
- (P067) Chyba, C.F. The Origin of Life in the Solar System: Current Issues Annu.Rev.Earth.Planet.Sci., v23, p.215-249, (1995)

- (P068) Cirkovic, M. Against the Empire JBIS
- (P069) Cirkovic, M. Cosmic irony: seti optimism from catastrophes?
- (P070) Cirkovic, M. Galactic Gradients, Postbiological Evolution and the Apparent Failure of SETI (2005)
Bradbury, R.
- (P071) Cirkovic, M. Galactic punctuated equilibrium: how to undermine carter's anthropic argument in astrobiology
Vukotic, B.
Dragicevic, I.
- (P072) Cirkovic, M. Permanence : an adaptationist solution to Fermi's paradox?
- (P073) Cirkovic, M. The Temporal Aspect of the Drake Equation and SETI (2003)
- (P074) Cirkovic, M. M. Who are the SETI sceptics ? Acta Astronautica, v89, p.38-45, (2013)
- (P075) Cirkovic, M. M. Extraterrestrial Intelligence and Doomsday - A Critical Assessment of the no-outsider requirement Serb. Astron. J., #166, p.1-11, (2003)
Milosevic-Zdjelar, V.
- (P076) Cirkovic, M. M. Fermi Paradox - The Last Challenge for Copernicansm ? Serb. Astron. J., #178, p.1-20, (2009)
- (P077) Clarkes, J.N. Extraterrestrial intelligence and galactic nuclear activity Icarus, v46, p.94-96, (1981)
- (P078) Cobb, J. Serendip IV : data acquisition, reductions and analysis
Lebofsky, M.
Werthimer, D.
- (P079) Cocca, A. A. XII Tables for researchers on extraterrestrial intelligence Acta Astronautica, v21, #2, p.127-130, (1990)
- (P080) Cocconi, G. Searching for Interstellar Communications Nature, p.844-846, (1959)
Morrison, P.

- (P081) Cohen, N. Charlton, D. Polychromatic SETI ASP Conference Series, v74, p.313-324, (1995)
- (P082) Cohen, N. L. Malkan, M. A. Dickey, J. M. A passive SETI in globular clusters at the hydroxyl and water lines Icarus, v41, p.198-204, (1980)
- (P083) Colomb, F. R. Hurrell, E. Lemarchand, G. A. Results of Two Years of SETI Observations with META II ASP Conference Series, v74, p.345-354, (1995)
- (P084) Colomb, F. R. Hurrell, E. Olalde, J. C. SETI Activities in Argentina ASP Conference Series, v47, p.279-290, (1993)
- (P085) Contant, J.M. IAA: 35 years of search for extraterrestrial intelligence, tribute to Jean Heidmann Acta Astronautica, v67, p.1340-1341, (2010)
- (P086) Corbet, R. H. D. Synchronized SETI - The Case for Opposition (2002)
- (P087) Corbet, R. H. D. The Use of Gamma-Ray Bursts as Direction and Time Markers in SETI Strategies (1999)
- (P088) Cordes, J. Lazio, J. Interstellar Scintillation and SETI ASP Conference Series, v47, p.143-160, (1993)
- (P089) Cordes, J. Lazio, J. Sagan, C. Scintillation-induced intermittency in SETI The Astrophysical journal, #487, p.782-808, (1997)
- (P090) Cordes, J. M. Sullivan, W. T. Astrophysical Coding A New Approach to SETI Signals - Signal Design and Wave Propagation ASP Conference Series, v74, p.325-336, (1995)
- (P091) Coulter, G. R. Klein, M. J. Backus, P. R. Searching for intelligent life in the universe : NASA high resolution microwave survey (1994)
- (P092) Courtin, R. Jean Heidmann (1923-2000) and SETI

- (P093) Crawford, I.A. Project Icarus: a review of local interstellar medium properties of relevance for space missions to the nearest stars Acta Astronautica
- (P094) Crawford, I.A. Interstellar travel: a review of astronomers Q. Jl. R. astr. Soc, v31, p.377-400, (1990)
- (P095) Crick, F.H.C. Directed panspermia Icarus, v19, p.341-346, (1973)
Orgel, L.E.
- (P096) Crossley, R. Percival Lowell and the history of Mars The Massachusetts Reviews, v41, p.297-318, (2000)
- (P097) Crowe, M. J. A history of the extraterrestrial life debate Zygon, v32, #2, p.147-162, (1997)
- (P098) Cullers, D. K. Sensitive detection of narrowband pulses
- (P099) Cullers, K. Project Phoenix and Beyond
- (P100) Cullers, K. SETI algorithms
Stanley, R. D.
- (P101) Davies, P. C. W. Searching for alien artifacts on the moon Acta Astronautica, v89, p.261-265, (2013)
Wagner, R. V.
- (P102) Davies, P.C.W. Searching for a shadow biosphere on Earth as a test of the 'cosmic imperative' Phil. Trans. R. Soc. A, v369, p.624-632, (2011)
- (P103) Davis, J. A bibliography of government documents on extraterrestrial life : 1957-1976 Government Publications Review, v5, #3, p.295-309, (1978)

- (P104) De la Torre, G. G. Toward a new cosmic consciousness :
psychoeducational aspects of contact
with extraterrestrial civilizations
- (P105) DeBoer, D. R. The Allen telescope array : commensal
and efficient SETI Acta Astronautica,
v59, p.1153-1159,
(2006)
- (P106) Denning, K. Unpacking the great transmission de-
bate Acta Astronautica,
v67, p.1399-1405,
(2010)
- (P107) Denning, K. If life what we make of it? Phil. Trans. R.
Soc. A, v369,
(2011)
- (P108) Denning, K. L on Earth (2005)
- (P109) Devito, C.L.
Oehrle, R.T. A Language based on the Fundamental
Facts of Science JBIS, v43, p.561-
568, (1990)
- (P110) Devito, C.L. Cultural Aspect of Interstellar Commu-
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- (P111) DeVore, I. Extraterrestrial intelligence ? Not
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- (P112) Dick, S. The postbiological universe
- (P113) Dick, S. The postbiological universe and our fu-
ture in space
- (P114) Dick, S. J. The Search for Extraterrestrial Intelli-
gence and the NASA High Resolution
Microwave Survey Space Science Re-
views, #64, p.93-
139, (1993)
- (P115) Dick, S. J. NASA and the search for life in the uni-
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- (P116) Dick, S. J. Origins and development of NASA exo-
biology program, 1958-1976

- (P117) Dick, S.J. Cultural aspects of astrobiology
- (P118) Dixon, R. S. About Cosmic Search and SETI Cosmic Search, v1, #1, (1979)
- (P119) Dixon, R. S. A search strategy for finding extraterrestrial radio beacons Icarus, v20, p.187-199, (1973)
- (P120) Dixon, R. S. The Ohio SETI Program - The First Decade (1985)
- (P121) Dixon, R.S. Cole, D.M. A modest all-sky search for narrowband radio radiation near the 21-cm hydrogen line Icarus, v30, p.267-273, (1977)
- (P122) Djorgovski, S. G. Generalized SETI in a Virtual Observatory ASP Conference Series, v213, p.519-522, (2000)
- (P123) Dole, S. H. The search for a rationale for interstellar communication RAND corporation, (1966)
- (P124) Dole, S.H. Computer simulation of the formation of planetary systems Icarus, v13, p.494-508, (1970)
- (P125) Dominik, M. Invited Pesek Lecture : Exploration rather than speculation-assembling the puzzle of potential life beyond Earth Acta Astronautica, v81, p.478-483, (2012)
- (P126) Dominik, M. Zarnecki, J.C. The detection of extra-terrestrial life and the consequences for science and society Phil. Trans. R. Soc. A, v369, p.499-507, (2011)
- (P127) Donahoe, F.J. On the abundance of Earth-like planets Icarus, v5, p.303-304, (1966)
- (P128) Doyle, L. R. McCowan, B. Johnston, S. Information theory, animal communication and the search for extraterrestrial intelligence

- (P129) Drake, F. Space missions for SETI Acta Astronautica, v44, #2, p.113-115, (1999)
- (P130) Drake, F. SETI The Early Days and Now ASP Conference Series, v395, p.213-223, (2008)
- (P131) Drake, F. A Reminiscence of Project Ozma Cosmic Search, v1, #1
- (P132) Drake, F. The Arecibo Message of November, 1974 Icarus, v26, p.462-466, (1975)
- (P133) Drake, F. The search for extra-terrestrial intelligence Phil. Trans. R. Soc. A., v369, p.633-643, (2011)
- (P134) Drake, F. How Can We Detect Radio Transmissions from Distant Planetary Systems ? Sky & Telescope, p.140-143, (1960)
- (P135) Drake, F. A brief history of SETI
- (P136) Drake, F. Fraknoi, A. SETI : a slide set and introductory booklet
- (P137) Drake, F. D. Reflections on the modern history of SETI
- (P138) Drake, F.D. Sagan, C. Interstellar radio communication and the frequency selection problem Nature, v245, (1973)
- (P139) Dreher, J. W. Tarter, J. Werthimer, D. A 1 Hz resolution RFI survey : preliminary results
- (P140) Dumas, S. Dutil, Y. The Evpatoria Messages Contact in Context
- (P141) Dyson, F. Search for artificial stellar sources of infrared radiation Science, v131, p.1667, (1960)

- (P142) Edelson, R. E. An observational program to search for radio signals from extraterrestrial intelligence through the use of existing facilities Acta Astronautica, v6, p.129-143, (1979)
- (P143) Edmondson, W. The intelligence in ETI - what can we known ? Acta Astronautica, v78, p.37-42, (2012)
- (P144) Edmondson, W. H. Targets and SETI : shared motivations, life signatures and asymmetric SETI Acta Astronautica, v67, p.1410-1418, (2010)
- (P145) Edmondson, W. H. Stevens, I. R. The utilization of pulsars as SETI beacons
- (P146) Ehricke, K. A. The extraterrestrial imperative Future, p.107-114, (1981)
- (P147) Elliott, J. The filtration of inner-galactic object troupes and the identification of the lingua ex machina hierarchy Acta Astronautica, v68, p.399-405, (2011)
- (P148) Elliott, J. Demetriou, G. Hugges, J. A comparative evaluation of modern English corpus grammatical annotation schemes ICAME, v24, p.7-23, (2000)
- (P149) Elliott, J. Atwell, E. is anybody out there? the detection of intelligent and generic language-like features JBIS, v53, #1, p.13-22, (2000)
- (P150) Elliott, J. Constructing the matrix
- (P151) Elliott, J. Atwell, E. Whyte, W. first stage identification of syntactic elements in an extra-terrestrial signal (2001)
- (P152) Elliott, J. Whyte, W. Increasing our ignorance of language: identifying language structure in an unknown signal
- (P153) Elliott, J. Atwell, E. language identification in unknown signals

- (P154) Elliott, J.
Atwell, E.
Whyte, W. Visualisation of Long Distance Gram-
matical Collocation Patterns in Lan-
guage
- (P155) Elliott, J. R. Detecting the signature of intelligent Acta Astronautica,
life v67, p.1419-1426,
(2010)
- (P156) Elliott, J. R. The DISC quotient Acta Astronautica,
Baxter, S. v78, p.20-25, (2012)
- (P157) Elliotte, J. R. A post-detection decipherment strategy Acta Astronautica,
v68, p.441-444,
(2011)
- (P158) Ermanno, B. Searching for extraterrestrial intelli-
gence signals in astronomical spectra,
including existing data
- (P159) Fasan, E. Discovery of ETI : Terrestrial and ex- Acta Astronautica,
traterrestrial legal implications v21, #2, p.131-135,
(1990)
- (P160) Fender, R. LOFAR Transients and the Radio Sky (2008)
Wijers, R.
Stappers, B.
- (P161) Finney, B. The impact of contact Acta Astronautica,
v21, #2, p.117-121,
(1990)
- (P162) Finney, B. Tsiolkovsky and extraterrestrial intelli- Acta Astronautica,
Finney, L. gence v46, #10, p.745-
Lytkin, V. 749, (2000)
- (P163) Fogg, M. J. Temporal aspects of the interaction Icarus, v69, p.370-
among the first galactic civilizations : 384, (1987)
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- (P164) Forgan, D. H. A Failure of Serendipity : the Square
Nicho, R.C. Kilometre Array will Struggle to eaves-
drop on Human-Like ETI
- (P165) Forgan, D. H. A Numerical Testbed for Hypotheses of
Extraterrestrial Life and intelligence

- (P166) Forward, R. L. Feasibility of interstellar travel : a review Acta Astronautica, v14, p.243-252, (1996)
- (P167) Fracassino, M. Fermi Paradox and Alternative Strategies for SETI Programs Astrophysics and Space Science, #146, p.321-331, (1988)
- (P168) Freeman, J. Interstellar archaeology and the Lampton, M. prevalence of intelligence Icarus, v25, p.368-369, (1975)
- (P169) Freitas, R. A. There is no Fermi paradox Icarus, v62, p.518-520, (1985)
- (P170) Freitas, R. A. The Search for Extraterrestrial Artifact
- (P171) Freitas, R.A. If they are here, where are they? Observational and search considerations Icarus, v55, p.337-343, (1983)
- (P172) Fridlund, M. Extra-Terrestrial life in the European space agency's cosmic vision plan and beyond Phil. Trans. R. Soc. A, v369, (2011)
- (P173) Fridman, P. A. SETI The transmission rate of radio communication and the signal detection Acta Astronautica, (2011)
- (P174) Frisch, D. Siblings for SETI Icarus, v55, p.432-438, (1983)
Melia, F.
- (P175) Fujushita, M. SETI activities at Kyushu Tokai university
- (P176) Garber, S. J. Searching for good science : the cancellation of NASA SETI program
- (P177) Genta, G. Are we alone in the universe?
- (P178) Gerritsen, H.J. The Luneberg lens and the importance of transmission in establishing contact with extraterrestrial civilizations Icarus, v26, p.250-256, (1975)
McKenna, S.J.

- (P179) Gillon, M. A Novel SETI Strategy targeting the solar focal regions of the most nearby stars Acta Astronautica, (2013)
- (P180) Gindilis, L.M. Conference on Extraterrestrial Civilizations Soviet Astronomy, v9, #2, (1965)
- (P181) Glade, N.
Ballet, P.
Bastien, O. A Stochastic Process Approach of the Drake Equation Parameters
- (P182) Goldsmith, D. Whol will speak for Earth? Possible structures for shaping a response to a signal detected from an extraterrestrial civilization Acta Astronautica, v21, #2, p.149-151, (1990)
- (P183) Gonzalez, G. The Stellar Metallicity - Planet Connection ASP Conference Series, v134, p.431-437, (1998)
- (P184) Gonzalez, G.
Donald, B.
Ward, P. The galactic habitable zone : galactic chemical evolution Icarus, v152, p.185-200, (2001)
- (P185) Goodman, A. E. Diplomacy and the search for extraterrestrial intelligence
- (P186) Graham, R.W. Extraterrestrial life in the universe NASA TM 102363, (1990)
- (P187) Gruber, G. M.
Pfleiderer, J. Small duty cycles in SETI Acta Astronautica, v19, #11, p.903-906, (1989)
- (P188) Gualtieri, D.M. Trace elements and the panspermia hypothesis Icarus, v30, p.234-238, (1977)
- (P189) Guang-jie, W
Dao-han, C. Searching for extra-terrestrial intelligence and the discovering of extrasolar planets Chinese Astronomy and astrophysics , v26, p.125-140, (2002)
- (P190) Gulkis, S.
Biraud, F.
Heidmann, J. Technical considerations on using the large Nancay radio telescope for SETI

- (P191) Haqq-Misra, J. On the likelihood on non-terrestrial ar- Acta Astronautica,
Kopparapu, R. K. tifacts in the solar system v72, p.15-20, (2012)
- (P192) Haqq-Misra, J. The Sustainability Solution to the JBIS, v62, p.47-51,
Baum, S. Fermi Paradox (2009)
- (P193) Haqq-Misra, J. The Benefits and Harms of Transmit- Space Policy, v0,
Busch, M. ting into Space #29, p.40-48,
Som, S. (2013)
- (P194) Harp, G. R. A new class of SETI beacons that con- tain information
- (P195) Harp, G. R. Recent SETI results with observations at the ATA
- (P196) Harp, G. R. Using multiple beams to distinguish ra- dio frequency interference
- (P197) Harrison, A. The Future of SETI : Finite Effort or Acta Astronautica,
Search without End ? (2009)
- (P198) Harrison, A. Overcoming the Image of Little Green (2005)
Men : Astrosociology and SETI
- (P199) Harrison, A. A. Confirmation of ETI : initial organiza- Acta Astronautica,
tional response v53, p.229-236,
(2003)
- (P200) Harrison, A. A. Slow track, fast track, and the galactic club
- (P201) Harrison, A. A. The relative stability of belligerent and peaceful societies : implications for SETI
- (P202) Harrison, A.A. Fear, pandemonium, equanimity and Phil. Trans. R.
delight: human responses to extra- Soc. A, v369,
terrestrial life (2011)

- (P203) Hart, M.H. Habitable zones about main sequence stars Icarus, v37, p.351-357, (1979)
- (P204) Heathcote, C. M. Balancing progress creative explorations of METI design
- (P205) Heidmann, J. Imaging of extrasolar advanced terrestrial planets Acta Astronautica, v44, #2, p.215-218, (1999)
- (P206) Heidmann, J. Saha Crater : a candidate for a SETI lunar base Acta Astronautica, v32, #6, p.471-472, (1994)
- (P207) Heidmann, J. SETI false alerts as laboratory tests for an international protocol formulation Acta Astronautica, v21, #2, p.73-80, (1990)
- (P208) Heidmann, J. Sky distribution of artificial sources in the galactic belt of advanced cosmic life Acta Astronautica, v32, #12, p.855-857, (1994)
- (P209) Heidmann, J. SETI from the Moon : an invitation to COSPAR Adv. Space. Res., v22, #3, p.347-351, (1998)
- (P210) Heidmann, J. The bioastronomical prospect Cambridge University Press
- (P211) Heidmann, J. SETI et la bioastronomie Les cahiers Clairaut, v70, p.10-16, (1995)
- (P212) Heidmass, J.
Biraud, F.
Tarter, J. Pulsar aided SETI experimental observations Acta Astronautica, v26, #3, p.205-209, (1992)
- (P213) Hill, G.C. The search for extra-terrestrial sources of high energy neutrinos (2008)
- (P214) Hitchcock, D.R.
Lovelock, J. Life detection by atmospheric analysis Icarus, v7, p.149-159, (1967)

- (P215) Holder, J. Ashworth, P. LeBohec, S. Optical SETI with Imaging Cherenkov Telescopes (2005)
- (P216) Horowitz, N.H. Hubbard, J.S. Hobby, G.L. The carbon-assimilation experiment: the Viking Mars lander Icarus, v16, p.147-152, (1972)
- (P217) Horowitz, P. Chubok, K. High resolution SETI : experiences and prospects Acta Astronautica, v26, #3, p.193-200, (1992)
- (P218) Horowitz, P. Matthews, B. Forster, J. Ultranarrowband searches for extraterrestrial intelligence with dedicated signal-processing hardware Icarus, v67, p.525-539, (1986)
- (P219) Horowitz, P. Sagan, C. Five Years of Project META : an all-sky narrow-band radio search for extraterrestrial signals The Astrophysical journal, #415, p.218-235, (1993)
- (P220) Horowitz, P. Forster, J. Project Sentinel - Ultra-narrowband SETI at the Harvard-Smithsonian (1985)
- (P221) Howard, A. Horowitz, P. Mead, C. Initial results from Harvard all sky optical SETI Acta Astronautica, v61, p.78-87, (2007)
- (P222) Howard, A. Horowitz, P. Coldwell, C. Optical SETI at Harvard-Smithsonian ASP conference Series, v213, p.545-552, (2000)
- (P223) Howard, A. Horowitz, P. Optical SETI with NASA terrestrial planet finder Icarus, v150, p.163-167, (2001)
- (P224) Howard, A. Horowitz, P. Is there RFI in pulsed optical SETI ?
- (P225) Jansky, K. G. Electrical disturbance apparently of extraterrestrial origin proceedings of the IEEE, v86, #7, (1998)
- (P226) Jones, B.W. Sleep, P.N. Underwood, D.R. Habitability of unknown exoplanetary systems based on measured stellar properties JSU, (2005)
- (P227) Jones, E.M. Colonization of the galaxy Icarus, v28, p.421-422, (1976)

- (P228) Kantha, S. Prox and cons in the search for extraterrestrial intelligence Medical Hypotheses, v46, p.183-187, (1996)
- (P229) Kardashev, N. Transmission of Information by Extraterrestrial Civilizations Soviet Astronomy, v8, #2, p.282-287, (1964)
- (P230) Kardashev, N. S. Likhachev, S. F. Zhuravlev, V. I. Space program for SETI Acta Astronautica, v42, #10, p.585-587, (1998)
- (P231) Kardashev, N. S. Strategy for the search for extraterrestrial intelligence Acta Astronautica, v6, p.33-46, (1979)
- (P232) Kecskes, C. Scenarios which may lead to the rise of an asteroid-based technical civilisation
- (P233) Keenan, F. P. Phillips, M. E. Rose, S. J. The Search for Extraterrestrial Intelligence Irish Astr. J., v26, #2, p.87-90, (1999)
- (P234) Kent, A. Too Damned Quiet ?
- (P235) Kepler, J. Somnium (1634)
- (P236) Kilston, S.D. Drummond, R.R. Sagan, C. A search for life on Earth at kilometer resolution Icarus, v5, p.79-98, (1966)
- (P237) Kingsley, S. Optical SETI observatory in the new millennium : a review
- (P238) Kinouchi, O. Persistence solves Fermi Paradox but Challenges SETI Projects (2001)
- (P239) Klein, H.P. Lederberg, J. Biological experiments: the Viking Mars Lander Icarus, v16, p.139-146, (1972)
- (P240) Klein, H.P. The Viking biological experiments on Mars Icarus, v34, p.666-674, (1978)

- (P241) Klein, M. J. Olsen, E. T. Gulkis, S. An assessment of the impact of radiofrequency interference on microwave SETI searches Acta Astronautica, v26, #3, p.227-232, (1992)
- (P242) Klein, M. J. Gulkis, S. SETI The Microwave search problem and the NASA Sky survey Approach (1985)
- (P243) Klein, M. J. Gulkis, S. Wilck, H. C. Status of the NASA SETI sky survey microwave observing project
- (P244) Klein, M. J. Gulkis, S. The impact of technology on SETI
- (P245) Klein, M. J. Gulkis, S. Olsen, E. T. The NASA SETI sky survey : recent developments
- (P246) Knapp, G. R. Kuiper, T. B. H. Spectral-line sky surveys from the NASA-JPL SETI project (1979)
- (P247) Korhonen, J. M. Mad with aliens ? Interstellar deterrence and its implications Acta Astronautica, v86, p.201-210, (2013)
- (P248) Korpela, E. J. Anderson, D. P. Bankay, R. SETI with help from five millions volunteers : the berkeley SETI Efforts ASP Conference Series, v420, p.431-437, (2009)
- (P249) Korpela, E. J. Cobb, J. Lebofsky, M. Candidate Identification and Interference Removal in SETI at HOME Astrobiology Science Conference, (2010)
- (P250) Korpela, E. J. Cobb, J. Fulton, S. Three Years of SETI at Home A Status Report IAU Symposium, v213, p.419-422, (2004)
- (P251) Korpela, E. J. Anderson, D. P. Bankay, R. Status of the UC-Berkeley SETI Efforts (2011)
- (P252) Krauss, L.M. Starkman, G.D. Life, the universe, and nothing: life and death in an ever-expanding universe
- (P253) Kreifeldt, J.G. A formulation for the number of communicative civilizations in the Galaxy Icarus, v14, p.419-430, (1971)

- (P254) Kuhn, J.R.
Berdyugina, S.V. Global warming as a detectable thermodynamic marker of Earth-like extrasolar civilizations: the Colossus telescope
- (P255) Kukla, A. SETI : on the prospects and pursuit-worthiness of the search for extraterrestrial intelligence Stud. Hist. Phil. Sci., v32, #1, p.31-67, (2001)
- (P256) Kutaev, Yu. f.
Mankevich, S. K.
Nosach, O. Yu. Laser transition in atomic iodine for passive and active SETI Acta Astronautica, v67, p.1384-1390, (2010)
- (P257) Kutaev, Yu.F.
Mankevich, S. K.
Nosach, O. Yu. The 2P 1/2 to 2P 3/2 laser transition in atomic iodine and the problem of search for signals from extraterrestrial intelligence Quantum Electronics, v37, #7, p.685-690, (2007)
- (P258) Lachmann, M.
Newman, M.E.J.
Moore, C. The Physical Limits of Communication or Why any Sufficiently Advanced Technology is Indistinguishable from Noise
- (P259) Lampton, M.
Bowyer, S.
Werthimer, D. The serendip piggyback SETI project Acta Astronautica, v26, #3, p.189-192, (1992)
- (P260) Lampton, M. Optical SETI - The Next Search Frontier ASP Conference Series, v213, p.565-572, (2000)
- (P261) Lazio, T. J. W.
Tarter, J.
Backus, P. R. Megachannel extraterrestrial assay candidates : no transmissions from intrinsically steady sources
- (P262) Lazio, T. J. W.
Tarter, J.
Wilner, D. J. The cradle of life
- (P263) Learned, J. G.
Pakvasa, S.
Simmons, W. A. Timing Data Communication with Neutrinos Q. J. R. astr. Soc., #35, p.321-329, (1994)

- (P264) Lee, R. Jonathan, P. Ziman, P. Pictish symbols revealed as a written language through application of Shannon entropy
- (P265) Lemarchand, G. Detectability of Extraterrestrial Technological Activities SETI Quest, v10, #1, p.3-13
- (P266) Lemarchand, G. Tarter, D. Active Search Strategies and the SETI protocols : is there a conflict ? Space Policy, v10, #2, p.134-142, (1994)
- (P267) Lemarchand, G. A. A New Era in the Search for Life in the Universe ASP Conference Series, v213, p.7-18, (2000)
- (P268) Lemarchand, G. A. A high resolution survey of OH masers in the southern hemisphere with a parasitic SETI program
- (P269) Lemarchand, G. A. Passive and active SETI Strategies using the synchronization of SN1987A
- (P270) Levin, G.V. Detection of metabolically produced labeled gas: the Viking Mars lander Icarus, v16, p.153-166, (1972)
- (P271) Levitte, B.K. SETI Pulse Detection Algorithm : Analysis of False-Alarm Rates
- (P272) Lineweaver, C. H. Grether, D. Hidas, M. How common are Earths ? How common are Jupiters ? ASP Conference Series, v28, (2003)
- (P273) Lomberg, J. The aesthetics of SETI
- (P274) Long, K.F. Obousy, R.K. Hein, A. Project Icarus: optimisation of nuclear fusion propulsion for interstellar missions Acta Astronautica, (2010)
- (P275) Lovelock, J. E. Kaplan, I. R. Thermodynamics and the Recognition of Alien Biospheres Proc. R. Soc. Lond. B., #189, p.167-181, (1975)

- (P276) Lupisella, M. L. Cosmocentrism and the Active Search for Extraterrestrial Intelligence *Astrobiology Science Conference*, (2010)
- (P277) Lyall, F. Communications with extraterrestrial intelligence : a new dimension of space law *Acta Astronautica*, v46, #10, p.751-757, (2000)
- (P278) Maccone, C. Going to alpha centauri B and setting up a radio bridge *Acta Astronautica*
- (P279) Maccone, C. The KLT to extend SETI searches to broad-band and extremely feeble signals *Acta Astronautica*, v67, p.1427-1439, (2010)
- (P280) Maccone, C. The living Drake equation of the Tau Zero foundation *Acta Astronautica*, v68, p.582-590, (2011)
- (P281) Maccone, C. The Statistical Drake Equation *Acta Astronautica*, (2010)
- (P282) Maccone, C. SETI among galaxies by virtue of black holes
- (P283) Maccone, C. SETI extrasolar planets search and interstellar flight : when are they going to merge ?
- (P284) Maccone, C. SETI, evolution and human history merged into a mathematical model
- (P285) Maccone, C. The lunar SETI cosmic study of IAA : current status and perspective
- (P286) Macconne, C. Lunar farside radio lab
- (P287) Makovetskii, P. V. Mutual strategy of search for CETI call signals *Icarus*, v41, p.178-192, (1980)
- (P288) Makovetskii, P. V. Nova Cygni 1975 : a synchrosignal for extraterrestrial civilizations ?

- (P289) Makovetskii, P.V. Mutual strategy of search for CETI call signals Icarus, v41, p.178-192, (1980)
- (P290) Makukov, M.A. Cherbak, V.I. Space ethics to test directed panspermia
- (P291) Marcos, R. Marcos, C. SETI in star clusters : a theoretical approach Astrophysics and Space Science, v284, p.1087-1096, (2003)
- (P292) Marov, M.Y. Mikhail Lomonosov and the discovery of the atmosphere of Venus during the 1761 transit
- (P293) Marov, M.Y. Vladimir Ivanovich Vernadsky: The science of the biosphere and astrobiology
- (P294) Martin, A. R. The plurality of worlds : a synergistic approach to the question of the search for extraterrestrial intelligence Futures, (1985)
- (P295) Marx, G. Bioastronomy report of IAU commission 51 (1991)
- (P296) Mauersberger, R. Wilson, T. L. Rood, R. T. SETI at the spin-flip line frequency of positronium Astron. Astrophys., #306, p.141-144, (1996)
- (P297) McCowan, B. Doyle, L.R. Jenkins, J.M. The Appropriate Use of Zipf's Law in Animal Communication Studies Animal Behaviour, v69, p.f1-f7, (2004)
- (P298) McDonough, T. R. Review of the Planetary Society SETI Program ASP Conference Series, v74, p.419-424, (1995)
- (P299) McLaughlin, W.I. On the timing of an interstellar communication Icarus, v32, p.464-470, (1977)
- (P300) McNutt, R.L. Wimmer-Schweinbruber, R.F. Enabling interstellar probe acta astronautica, (2011)

- (P301) McNutt, R.L. Gruntman, M. Krimigis, S.M. Interstellar probe: impact of the voyager and IBEX results on science and strategy Acta Astronautica, v69, p.767-776, (2011)
- (P302) McNutt, R.L. Andrews, G.B. McAdams, J. Low-cost interstellar probe Acta Astronautica, v52, p.267-279, (2003)
- (P303) Mead, C. Horowitz, P. Harvard Advanced All-Sky Optical SETI Astrobiology Science Conference, (2010)
- (P304) Meadows, V.S. The search for habitable environments and life in the universe NASA report
- (P305) Meech, K. Commission 51 Bioastronomy report 2006
- (P306) Meledez, J. Dodds-Even, K. Robles, J. A. HD 98618 A Star Closely Resembling our Sun The Astrophysical Journal, #641, p.L133-:136, (2006)
- (P307) Melendez, J. Bergemann, M. Cohen, J. G. The remarkable solar twin HD 56948 : a prime target in the quest for other Earths (2012)
- (P308) Messerschmitt, D. Morrison, I. Interstellar Communication Objectives and Limitations: A Roadmap to Signal and Receiver Design Acta Astronautica, (2011)
- (P309) Messerschmitt, D. Interstellar Communication: the Case for Spread Spectrum
- (P310) Michaud, M. Ten Decisions that Could Shake the World
- (P311) Michaud, M. A. G. SETI and Diplomacy ASP Conference Series, v74, p.551-556, (1995)
- (P312) Michaud, M. A. G. Detection of ETI - an international agreement

- (P313) Minsky, M. Communication with Alien Intelligence
- (P314) Montebugnoli, S. SETI Italia 2003 status report and first Acta Astronautica,
Bortolotti, C. results of a KL transform algorithm for v58, p.222-229,
Cattani, A. ETI signal detection (2006)
- (P315) Montebugnoli, S. SETI Italia 2008 : on-going searches Acta Astronautica,
Bartolini, M. and future prospects v67, p.1350-1355,
Bianchi, G. (2010)
- (P316) Montebugnoli, S. The next steps in SETI Italia science Acta Astronautica,
Cosmovici, C. and technology v66, p.610-616,
Monari, J. (2010)
- (P317) Montebugnoli, S. SETI Italia - Present Activities and Fu- (2010)
Bianchi, G. ture real time data processing system
- (P318) Morrison, I. S. Detection of antipodap signalling and Acta Astronautica,
its application to wideband SETI v78
- (P319) Morrison, P. The search for extraterrestrial intelli- Acta Astronautica,
Billingham, J. gence - SETI v6, p.11-31, (1979)
Wolfe, J.
- (P320) Morrison, P. Interstellar Communication (1960)
- (P321) Musso, P. A Language based on analogy to com- Acta Astronautica,
municate cultural concepts in SETI #68, p.489-499,
(2011)
- (P322) Musso, P. The Problem of Active SETI an Acta Astronau-
overview tica, #78, p.43-54,
(2012)
- (P323) Newman, W. Galactic Civilizations: population dy- Icarus, v46, p.293-
Sagan, C. namics and interstellar diffusion 327, (1981)
- (P324) Norris, R. P. How old is ET ? Acta Astronautica,
v47, #2, p.731-733,
(2000)

- (P325) Norris, R. P. How to Respond to a SETI Detection IAU Symposium, v213, p.493-498, (2004)
- (P326) Nussinov, S. Some Comments on Possible Preferred Directions for the SETI (2009)
- (P327) Oliver, B. Symmetry in SETI ASP Conference Series, v47, (1993)
- (P328) Oliver, B. Some potentialities of optical masers IEEE, (1998)
- (P329) Oliver, B. M. Proximity of Galactic Civilizations Icarus, v25, p.360-367, (1975)
- (P330) Oliver, B.M Project Cyclops Study : conclusions and recommendations Icarus, v19, p.425-428, (1973)
- (P331) Olivier, B. M. Rationale for water hole Acta Astronautica, v6, p.71-79, (1979)
- (P332) Ollongren, A. Large-Size Message Construction for ETI (2004)
- (P333) Ollongren, A. Large-Size Message Construction for ETI Typing Static Relations (1999)
- (P334) Ollongren, A. Some Principles of a Lingua Cosmica - the structure of verifications
- (P335) Olsen, E. T.
Jackson, E. B.
Gulkis, S. SETI Site Surveys of RFI in the Band 1.0 GHz to 10.4 GHz ASP Conference Series, v47, p.313-322, (1993)
- (P336) Olsen, E. T.
Jackson, E. B.
Gulkis, S. RFI surveys at selected radio observatories
- (P337) Orgel, L.E. reply: "Comments on 'Directed panspermia' " and "seawater and the origin of life" Icarus, v21, p.518, (1974)

- (P338) Othman, M. Supra-Earth Affairs Phil. Trans. R. Soc. A, #369, (2011)
- (P339) Oyama, V.I. The gas exchange experiment for life detection: the Viking Mars lander Icarus, v16, p.167-184, (1972)
- (P340) Pace, G. W.
Walker, J. C. G. Time markers in interstellar communication Nature, v254, p.400-401, (1975)
- (P341) Panov, A. Exo-Humanitarian Civilizations as Potential Partners in Interstellar Communication and Possible Carriers of the Galactic Cultural Field Bull. Spec. Astrophys. Obs., (2006)
- (P342) Panov, A. D. Scaling law of the biological evolution and the hypothesis of the self-consistent galaxy origin of life
- (P343) Papagiannis, M. D. Recent progress and future plans on the search for extraterrestrial intelligence Nature, v318, (1985)
- (P344) Parsons, A.
Werthimer, D. SETI signal processing and radio astronomy applications at Arecibo, Greenbank, CARMA and the ATA
- (P345) Pass, J. Astrosociological implications of astrobiology (revisited) Space, Propulsion and Energy international forum, p.402-417, (2010)
- (P346) Penny, A. The SETI Episode in the 1967 Discovery of Pulsar
- (P347) Penny, A. Transmitting (and listening) may be good (or bad)
- (P348) Penny, A. J. SETI with SKA (2004)
- (P349) Pernet, J. Charles Cros et Le probleme de la communication avec les planetes NASA , (1988)

- (P350) Pesek, L. An introduction to the first Rudolf Pesek SETI Lecture Acta Astronautica, v26, #3, p.141, (1992)
- (P351) Pesek, R. Activities of the IAA CETI committee from 1965-1976 and CETI outlook Acta Astronautica, v6, p.3-9, (1979)
- (P352) Peters, T. The implications of the discovery of extra-terrestrial life for religion Phil. Trans. R. Soc. A, v369, p.644-655, (2011)
- (P353) Petrovich, N. T. A SETI correspondent helps us to discover their signals lost in the noise of our receivers
- (P354) Pierson, T. SETI Institute - Summary of Projects in Support of SETI Research ASP Conference Series, v74, p.433-446, (1995)
- (P355) Pinotti, R. ETI, SETI and today public Space Policy, p.161-167, (1990)
- (P356) Piotelat, E.
Raulin-Cerceau, F. New SETI prospects opened up by current information networking
- (P357) Pleasant, L.G.
DeVincenzi, D.L. Publications of the exobiology program for 1980 NASA TM 83808, (1981)
- (P358) Pomerance, C. Prime numbers and the search for extraterrestrial intelligence (2004)
- (P359) Ponnamparuma, C. The origin of life in the universe (1964)
- (P360) Prantzos, N. A Joint Analysis of the Drake Equation and the Fermi Paradox
- (P361) Race, M. S. Communicating about the discovery of extraterrestrial life : different searches, different issues Acta Astronautica, v62, p.71-78, (2008)
- (P362) Rampadarath, H.
Morgan, J. S.
Tingay, S. J. The First Very Long Baseline Interferometric SETI Experiment The Astronomical Journal, v144, #38, (2012)

- (P363) Rampino, M. R. Super-eruptions and SETI
- (P364) RAS The Soviet CETI Program Icarus, v26, p.377-385, (1975)
- (P365) Raulin Cerceau, Florence
Bilodeau, B. A Comparison between the 19th century early Proposals and the 20th-21st centuries Realized Projects intended to Contact other Planets. Acta Astronautica
- (P366) Raulin-Cerceau, F. The pioneers of interplanetary communication : from Gauss to Tesla Acta Astronautica, v67, p.1391-1398, (2010)
- (P367) Rekola, R. T. F. Life and habitable zones in the universe
- (P368) Reunen, G. C. M. Basic elements of an international terrestrial reply following the detection of a signal from extraterrestrial intelligence Acta Astronautica, v21, #2, p.143-148, (1990)
- (P369) Rhee, M.-H.
Byun, Y.-I.
Kim, H. R. Project SETI Korea (2010)
- (P370) Rose, C. Write or Radiate ?
- (P371) Sagan, C. The Quest for Extraterrestrial Intelligence Cosmic Search, v1, #2
- (P372) Sagan, C. On the detectivity of advanced galactic civilizations Icarus, v19, p.350-352, (1973)
- (P373) Sagan, C.
Fox, P. The canals of Mars : an assessment after Mariner 9 Icarus, v25, p.602-612, (1975)
- (P374) Sagan, C. The prospects for life on Mars : a pre-Viking assessment Icarus, v28, p.291-300, (1976)

- (P375) Sagan, C. Direct contact among galactic civilizations by relativistic interstellar space-flight Planet. Space. Sci., v11, p.485-498, (1963)
- (P376) Sagan, C. The Recognition of Extraterrestrial Intelligence Proc. R. Soc. Lond. B., #189, p.143-153, (1975)
- (P377) Sagan, C. A Message from Earth Science, v175, #4024, p.881-884, (1972)
- (P378) Scheffer, L. Aliens can watch 'I Love Lucy' Contact in Context, v2, #1
- (P379) Schmidt, M. Time-Bounded Kolmogorov Complexity May Help in Search for Extra Terrestrial Intelligence
- (P380) Schneider, J. Strategies for the search of life in the universe (1996)
- (P381) Schneider, J. The extraterrestrial life debate in different cultures (2010)
- (P382) Schneider, J. The search for habitable extrasolar planets: current programs and long term plans. (1994)
- (P383) Schtsche, M. Futurological reflections on the confrontation of mankind with an extraterrestrial civilization (2005)
- (P384) Schwartz, R. N.
Townes, C. H. Interstellar and interplanetary communication by optical masers Nature, #4772, p.205-208, (1961)
- (P385) Schwartzman, D.W. The absence of extraterrestrials on Earth and the prospects for CETI Icarus, v32, p.473-475, (1977)
- (P386) Seeger, C. L. Strategic considerations in SETI and microwave approach Acta Astronautica, v6, p.105-127, (1979)

- (P387) Seeger, C. L.
Wolfe, J. H. SETI The Microwave search problem and the targeted search approach (1985)
- (P388) Semyonov, O.G. Radiation hazard of relativistic interstellar flight
- (P389) Shiltsev, V. Lomonosov's discovery of Venus atmosphere in 1761
- (P390) Sholomistky, G. B. Variability of the radio source CTA-102 (1965)
- (P391) Shostak, S. SETI merit and the galactic plane *Acta Astronautica*, v46, #10, p.649-654, (2000)
- (P392) Shostak, S. Short-pulse SETI *Acta Astronautica*, v68, p.362-365, (2011)
- (P393) Shostak, S.
Tarter, J. Signal search for intelligence in the galactic nucleus with the array of the lowlands *Acta Astronautica*, v12, #5, p.369-372, (1985)
- (P394) Shostak, S. What ET will look like and why should we care *Acta Astronautica*, v67, p.1025-1029, (2010)
- (P395) Shostak, S. New Strategies for SETI *ASP Conference Series*, v420, p.403-408, (2009)
- (P396) Shostak, S. SETI at wider bandwidths ? *ASP Conference Series*, v74, p.447-456, (1995)
- (P397) Shostak, S. SETI and the Media *IAU Symposium*, v213, p.535-541, (2004)
- (P398) Shostak, S. The Future of SETI *Sky & Telescope*

- (P399) Shostak, S. A Scheme for targeting optical SETI observations
- (P400) Shostak, S. Are transmission to space dangerous ?
- (P401) Shostak, S. In search of galactic company
- (P402) Shostak, S. Limits on Interstellar Messages
- (P403) Shostak, S. When Will We Detect the Extraterrestrials ?
- (P404) Shuch, H. P. Shouting in the jungle : the SETI transmission debate JBIS, v60, p.142-146, (2007)
Almar, I.
- (P405) Shuch, H. P. Analyzing the Stephens mystery signal
- (P406) Shuch, P. Testing a Claim of Extraterrestrial Technology JBIS, v60, p.154-156, (2007)
Tough, A.
- (P407) Shuch, P. Project OZMA: the birth of observational SETI
- (P408) Siemion, A. New SETI Sky Surveys for Radio Pulses Acta Astronautica, (2010)
von Korff, J.
McMahon, P.
- (P409) Siemion, A. P. V. Current and Nascent SETI Instruments (2010)
Cobb, J.
Chen, H.
- (P410) Silagadze, Z. K. SETI and Muon Collider (2008)
- (P411) Singal, T. In interstellar space travel possible ?
Singal, A. K.
- (P412) Smart, J. M. The transcension hypothesis : sufficiently advanced civilizations invariably leave our universe, and implications for METI and SETI Acta Astronautica, v78, p.55-68, (2012)

- (P413) Smith, R. D. Broadcasting but not receiving - density dependence considerations for SETI signals International Journal of Astrobiology, v2, #8, p.101-105, (2009)
- (P414) Soderblom, D. R. Latham, D. W. Target Selection Strategy for NASA SETI/MOP ASP Conference Series, v47, p.231-250, (1993)
- (P415) Soderblom, D. R. A short-list of SETI candidates Icarus, v67, p.184-186, (1986)
- (P416) Steffes, P. G. The potential for millimeter-wave SETI
- (P417) Steffes, P.G. DeBoer, D.R. A SETI search of nearby solar-type stars at the 203-GHz positronium hyperfine resonance Icarus, v107, p.215-218, (1994)
- (P418) Sternfeld, A. J. Signalisation interplanetaire La Nature, #2944, (1935)
- (P419) Sterns, P. Seti and space law: jurisprudential and philosophical considerations for humankind in relation to extraterrestrial life Acta Astronautica, v46, #10, p.759-763, (2000)
- (P420) Stone, R. P. S. Wright, S. A. Drake, F. Lick observatory optical SETI : targeted search and new directions
- (P421) Stootman, F. H. De Horta, A. Y. Oliver, C. A. The southern serendip project
- (P422) Strelnitski, V. S. Public opinion and SETI : a mathematical approach ? Acta Astronautica, v42, #10, p.749-753, (1998)
- (P423) Stuiver, W. On space-based SETI
- (P424) Subotowicz, M. Usowicz, J. Paprotny, Z. On active and passive CETI from an earth satellite orbit Acta Astronautica, v6, p.203-212, (1979)

- (P425) Subotowicz, M. Threats to CETI-SETI : possible solutions and anthropic principle Acta Astronautica, v19, #11, p.889-895, (1989)
- (P426) Sullivan, W. Eavesdropping : The Radio Signature of the Earth Science, v199, #4237, p.377-388, (1978)
Brown, S
Wetherill, C.
- (P427) Sullivan, W. Lunar Reflections of Terrestrial Radio Leakage (1984)
Knowles, S.H.
- (P428) Sullivan, W. T. A Milky Way Search Strategy for Extraterrestrial Intelligence Icarus, v60, p.675-684, (1984)
Michell, K. J.
- (P429) Suzuki, R. The Use of Zipf Law in Animal Communication Analysis Animal Behaviour, #69, p.F9-F17, (2005)
Buck, J. R.
Tyack, P. L.
- (P430) Suzuki, R. Information entropy of humpback whale songs J. Acoust. Soc. Am., p.1849-1866, (2006)
Buck, J. R.
Tyack, P. L.
- (P431) Swarup, G. Giant metrewave radio telescope - its possible use for SETI Acta Astronautica, v26, #3, p.239-242, (1992)
- (P432) Swarup, G. Pesek Lecture : SETI in India Acta Astronautica, v46, #10, p.621-626, (2000)
- (P433) Tarter, D. Interpreting and reporting on a SETI discovery : we should be prepared Space Policy, p.137-148, (1992)
- (P434) Tarter, D. E. Security considerations in signal detection Acta Astronautica, v46, #10, p.725-728, (2000)
- (P435) Tarter, J. Pesek Lecture : Project phoenix and beyond Acta Astronautica, v41, #4, p.613-622, (1997)
- (P436) Tarter, J. SETI and serendipity Acta Astronautica, v11, #7, p.387-391, (1984)

- (P437) Tarter, J. SETI field tests with the MCSA 1.0 prototype and plans for radio astronomical observations *Acta Astronautica*, v26, #3, p.173-176, (1992)
- (P438) Tarter, J. Summary of interference measurements at selected radio observatories *Acta Astronautica*, v26, #3, p.233-238, (1992)
- (P439) Tarter, J.
Ackermann, R.
Barotte, W. The first SETI observations with the Allen telescope array *Acta Astronautica*, v68, p.340-346, (2010)
- (P440) Tarter, J. Using the very large array (VLA) and other radio telescopes to perform a parasitic search for extraterrestrial intelligence *Acta Astronautica*, v12, #11, p.959-962, (1985)
- (P441) Tarter, J. The Search for Extraterrestrial Intelligence *Annu. Rev. Astron. Astrophys.*, #39, p.511-548, (2001)
- (P442) Tarter, J.
Cuzzi, J.
Black, D. A High-Sensitivity Search for Extraterrestrial Intelligence at 18 cm *Icarus*, v42, p.136-144, (1980)
- (P443) Tarter, J. Astrobiology and SETI *New Astronomy Reviews*, v48, p.1543-1549, (2004)
- (P444) Tarter, J.
Agrawal, A.
Ackermann, R. SETI turns 50 : five decades of progress in the search for extraterrestrial intelligence *Proc. SPIE*, v7819, (2010)
- (P445) Tarter, J.
Chyba, C.F. It there life elsewhere in the universe ? *Scientific American*, p.118-123, (1999)
- (P446) Tarter, J.
Backus, P.
Blair, S. Advancing the search for extraterrestrial intelligence
- (P447) Tarter, J. letter to Terry Sauvain about tSETI (1989)

- (P461) Troitskii, V. S.
Starodubtsev, A. M.
Bondar, L. N. Search for radio emissions from extraterrestrial civilizations Acta Astronautica, v6, p.81-94, (1979)
- (P462) Troitskii, V.S.
Starodubtsev, A.M.
Gershtein, L.I. Search for monochromatic 927-MHz radio emission from nearby stars Soviet Astronomy, v15, #3, p.508-510, (1971)
- (P463) Tuomi, M.
Jones, H. R. A.
Jenkins, J. S. Signals Embedded in the Radial Velocity noise
- (P464) Turchin, A.V. Risks of SETI Program
- (P465) Turnbull, M.
Tarter, J. Target selection for SETI II Tycho 2 dwarfs, old open clusters and the nearest 100 stars
- (P466) Turnbull, M. C.
Tarter, J. Target Selection for SETI : Catalog of Nearby Habitable Stellar Systems
- (P467) US government Life in the universe: Hearing before the subcommittee on space and aeronautics, first session (2001)
- (P468) US government Life on Mars: Hearing before the subcommittee on space and aeronautics (1996)
- (P469) US government Possibility of intelligent life elsewhere in the universe, report prepared for the committee on science and technology US government (1977)
- (P470) Vakoch, D. A narratological approach to interpreting and designing interstellar messages Acta Astronautica, (2009)
- (P471) Vakoch, D.
Matessa, M. An algorithmic approach to communicating reciprocal altruism in interstellar messages: Drawing analogies between social and astrophysical phenomena Acta Astronautica, (2009)
- (P472) Vakoch, D. Asymmetry in Active SETI : A case for transmission from Earth Acta Astronautica, (2009)

- (P473) Vakoch, D. Responsibility, capability, and Active SETI : Policy, Law, ethics and communication with extraterrestrial intelligence Acta Astronautica, (2009)
- (P474) Vakoch, D. The art and science of interstellar message composition : a report on international workshops to encourage multidisciplinary discussion Acta Astronautica
- (P475) Vakoch, D. Anthropological Contributions to the Search for Extraterrestrial intelligence (2009)
- (P476) Vakoch, D. A. An iconic approach to communicating musical concepts in interstellar messages Acta Astronautica, (2009)
- (P477) Vakoch, D. A. Constructing messages to extraterrestrials : an exosemiotic perspective Acta Astronautica, v42, #10, p.697-704, (1998)
- (P478) Vakoch, D. A. Lee, Y.-S. Reactions to receipt of a message from extraterrestrial intelligence : a cross-cultural empirical study Acta Astronautica, v46, #10, p.737-744, (2000)
- (P479) Vakoch, D. A. Lower, T. A. Niles, B. A. What should we say to extraterrestrial intelligence ? : an analysis of responses to Earth speaks Acta Astronautica, v86, p.136-148, (2013)
- (P480) Vakoch, D. A. A taxonomic approach to communicating maxims in interstellar messages
- (P481) Vakoch, D. A. Representing culture in interstellar messages
- (P482) Vallee, J. P. Simard-Normandin, M. Observational search for polarized emission from space vehicles communication relays near the galactic centre Astron. Astrophys., v243, p.274-276, (1985)
- (P483) Vallee, J. P. SETI at the cosmic blackbody radiation peak Astron. Astrophys. , #238, p.1-2, (1990)

- (P484) Verschuur, G.L. A search for narrow band 21-cm wavelength signals from ten nearby stars Icarus, v19, p.329-340, (1973)
- (P485) Vishniac, W.V. Light scattering experiment: the Viking Mars lander
Welty, G.A.
- (P486) Voltaire The works of Voltaire: Micromegas
- (P487) von Hoerner, S. The search for signals from other civilizations Science, v134, p.1839, (1961)
- (P488) von Korff, J. Astropulse and Fly Eye - SETI Searches for Transient Radio Signals Using Distributed Computing
Siemion, A.
Korpela, E.
- (P489) Vulpetti, G. On the viability of the interstellar flight Acta Astronautica, v44, #7, p.769-792, (1999)
- (P490) Walker, J. C. G. The search for signals for extraterrestrial civilizations Nature, v241, p.379-381, (1973)
- (P491) Walters, C. Interstellar colonization : a new parameter for the Drake equation ?
Hoover, R. A.
Kotra, R. K.
- (P492) Welch, J. The Allen Telescope Array: The First Widefield, Panchromatic, Snapshot Radio Camera for Radio Astronomy and SETI
Backer, D.
Blitz, L.
- (P493) Welch, W. J. A Strategy for SETI observations at Arecibo Observatory Acta Astronautica, v26, #3, p.219-221, (1992)
- (P494) Werthimer, D. The Berkeley SETI Program : Serendip III and IV Instrumentation
Bowyer, S.
Donnelly, C.
- (P495) Wesson, P. S. Cosmology Extraterrestrial Intelligence and a Resolution of the Fermi-Hart Paradox Q. J. R. astr. Soc., #31, p.161-170, (1990)

- (P496) Wesson, P. S. Higher dimensional communication and SETI
- (P497) West, J. L. Design issues for a mission to exploit the gravitational lensing effect at 550 AU Acta Astronautica, v44, #2, p.99-107, (1999)
- (P498) Whewell, W. Of the plurality of worlds
- (P499) Whitmire, D. P. Relativistic spaceflight and the catalytic nuclear ramjet Acta Astronautica, v2, p.497-509, (1975)
- (P500) Whitmire, D.P.
Wright, D.P. Nuclear waste spectrum as evidence of technological extraterrestrial civilizations Icarus, v42, p.149-156, (1980)
- (P501) wikipedia Interstellar messages: an overview
- (P502) Wiley, K. B. The Fermi Paradox Self-Replicating Probes and the Interstellar Transportation bandwidth (2011)
- (P503) Wilson, T. L. The search for extraterrestrial intelligence Nature, v409, p.1110-1114, (2001)
- (P504) Wilson, T. L. Baye Theorem and the Real SETI Equation Q. J. R. astr. Soc., #25, p.435-448, (1984)
- (P505) Woodruff, T. S. Interview with Frank Drake
- (P506) Wright, J.T.
Mullan, B.
Sigurdsson, S. The infrared search for extraterrestrial civilizations with large energy supplies 1. background and justification The astrophysical journal, v729, #26, (2014)
- (P507) Wright, S. A.
Werthimer, D.
Treffers, R. R. A near-infrared SETI experiment : instrument overview SPIE
- (P508) Wright, S. A.
Drake, F.
Stone, R. P. S. An improved optical SETI detector

- (P509) Wright, S. A. Optical SETI at Lick observatory : a status report
- (P510) Young, R.S.
Painter, R.B.
Johnson, R.D. An analysis of the extraterrestrial life detection problem NASA (1965) SP-75,
- (P511) Zaitsev, A. METI art (2005)
Braastad, R.
- (P512) Zaitsev, A. Prosing a METI Institute
- (P513) Zaitsev, A. The first musical interstellar radio message
- (P514) Zaitsev, A. L. Sending and Searching for Interstellar Messages
- (P515) Zaitsev, A. L. The Drake equation : adding a METI factor (2005)
- (P516) Zaitzev, A. Classification of interstellar radio messages Acta Astronautica, #78, p.16-19, (2012)
- (P517) Zaitzev, A. The SETI Paradox Bull. Spec. Astrophys. Obs., #60, (2006)
- (P518) Zaitzev, A. A Teen-Age Message to the Stars
- (P519) Zaitzev, A. Detection probability of Terrestrial Radio Signals by a hostile super-civilization
- (P520) Zaitzev, A. Messaging to Extra-Terrestrial Intelligence
- (P521) Zaitzev, A. Rationale for METI

- (P522) Zimmerman, N. The search for extraterrestrial intelligence in the 21st century
- (P523) Zuckerman, B. Preferred frequencies for SETI observations Acta Astronautica, v12, #2, p.127-129, (1985)
- (P524) index of papers on interstellar vehicles and propulsion systems
- (P525) Science with the ATA and the radio sky surveys project

POPULAR BOOKS

List of books related to SETI

This chapter deals with popular books written by a single authour (or only few) as oppose to a proceedings that is written by many authours.

The following table has four columns. The first is an index. The second lists the authour(s) of the publication. The third column is the title. The fourth column lists information related to the book. The whole table has been sorted by first authour.

(B001)	Ballesteros, F.J.	E.T. Talk - how will we communicate with intelligent life on other worlds ?	Springer, 233p, (2010)
(B002)	Bergerac, C. de	Voyage dans la Lune	Ernest Flammarion, 262p, ()
(B003)	Billings, L.	Five billions years of solitude - the search for life among the stars	Current, 0p, (2013)
(B004)	Bracewell, R.N.	The Galactic Club - Intelligent Life on Outer Space	Heinemann, 140p, ()
(B005)	Copland, A.	The existence of other worlds	J. G. &. F. Rivington, 0p, (1834)
(B006)	Coustenis, A. Encrenaz, T.	Life beyond Earth - the search for habitable worlds in the universe	Cambridge University Press, 332p, (2013)
(B007)	Cranford, J.L.	From dying stars to the birth of life	Nottingham University Press, 249p, (2011)

- (B008) Davies, P. Are We Alone? Basic Books, 0p, (1995)
- (B009) Davies, P. The Eerie Silence Houghton Mifflin Harcourt, 241p, (2010)
- (B010) Dick, S. J. Life on Other Worlds the 20th-century extraterrestrial life debate , 0p, (1998)
- (B011) Dick, S. J. The living universe : NASA and the development of astrobiology Rutgers University Press, 312p, (2004)
- (B012) Drake, F. Sobel, D. Is Anyone Out There? Dell Publishing, 0p, (1994)
- (B013) Ekers, R. D. SETI 2020 : a roadmap for the search for extraterrestrial intelligence , 0p, ()
- (B014) Engdahl, S. Extraterrestrial Life Detroit, Greenhaven Press/Thomson Gale, 171p, (2006)
- (B015) Ferris, T. Life beyond Earth New York, Simon & Schuster, 0p, (2000)
- (B016) Flammarion, C. La planete Mars et ses conditions d'habitabilite Gauthier-Villars, 624p, (1909)
- (B017) Flammarion, C. La pluralite des mondes habites , 482p, (1868)
- (B018) Fontenelle, B. Entretiens sur la pluralite des mondes , 411p, ()
- (B019) Fontenelle, B. Entretiens sur la pluralite des mondes , 232p, ()
- (B020) Freudenthal, H. Lincos - Design of a Language for Cosmic Intercourse North-Holland Publishing, 224p, (1960)

- (B021) Gamow, G. The Creation of the Universe Viking Press, 0p, (1961)
- (B022) Goldsmith, D. Owen, T. The search for life in the universe Sausalito, CA, University Science Books, 573p, (2002)
- (B023) Graham, R. W. Extraterrestrial life in the universe NASA TM 102363, 0p, (1990)
- (B024) Gray, R.H. The Elusive WOW - Searching for Extraterrestrial Intelligence Palmer Square Press, 242p, (2012)
- (B025) Gurnett, D.A. A multidisciplinary study of planetary, solar and astrophysical radio emissions NASA NAGW-386, 0p, (1986)
- (B026) Halpern, P. The quest for alien planets: exploring worlds outside the solar system New York, Plenum Trade, 293p, (1997)
- (B027) Harland, D.M. Water and the search for life on Mars Springer, 254p, (2005)
- (B028) Harrison, A. A. After Contact Plenum Press, 0p, (1997)
- (B029) Heidmann, J. Extraterrestrial Intelligence Cambridge University Press, 243p, (1997)
- (B030) Heidmann, J. Life in the Universe McGraw-Hill, 0p, (1992)
- (B031) Hogben, Lancelot Science in Authority , 0p, ()
- (B032) Holmes, D. C. The Search for Life on Other Worlds Bandam Books, 0p, (1966)
- (B033) Hoyle, F. The Intelligent Universe Hold, Rinehard and Winston, 0p, (1966)

- (B034) Huygens, C. The celestial worlds discovered or conjectures concerning the inhabitants plants and productions of the worlds in the planets , 187p, ()
- (B035) Huygens, C. The celestial worlds discovered or conjectures concerning the inhabitants plants and productions of the worlds in the planets , 35p, ()
- (B036) Jespersen, J. Looking at the Invisible Universe Atheneum, 0p, (1990)
Fitz-Randolph, J.
- (B037) Jones, B.W. The search for life continued - planets around other stars Springer, 296p, (2008)
- (B038) Koerner, D. Here be dragons: the scientific quest for extraterrestrial life Oxford University Press, 281p, (2000)
LeVay, S.
- (B039) Krauss, J. Big Ear Two Cygnus-Quasar Books, 0p, (1995)
- (B040) Krauss, J. Our Cosmic Universe Cygnus-Quasar Books, 0p, (1980)
- (B041) Kusky, T. Encyclopedia of Earth & space science , 917p, (2010)
- (B042) Lamb, D. The search for extraterrestrial intelligence - a philosophical inquiry Routledge, 221p, (2001)
- (B043) Lowell, P. Mars as the abode of life The MacMillian company, 334p, (1908)
- (B044) Mac Gowan, R.A. Intelligent in the Universe Prentice-Hall, inc., 402p, (1966)
Ordway, F.I.
- (B045) Maccone, C. Mathematical SETI Springer-Praxis, 724p, (2012)
- (B046) Mamikunian, G. Current aspects of exobiology Pergamon Press, 424p, (1965)
Briggs, M. H.

- (B047) McDonough, T. R. The search for extraterrestrial intelligence: Listening for life in the cosmos John Wiley and Sons, Inc., 253p, (1987)
- (B048) Michaud, M. Contact with alien civilizations : our hopes and fears about encountering extraterrestrials , 472p, (2010)
- (B049) Ollengren, A. Astrolinguistics Springer, 266p, (2013)
- (B050) Parker. B. R. Alien life: the search for extraterrestrials and beyond Plenum Trade, 254p, (1998)
- (B051) Preiss, B. First Contact New American Library Books,, 0p, (1990)
- (B052) Proctor, R.A. Other worlds than ours P.F. Collier and son, 362p, (1902)
- (B053) Proctor, R.A. The plurality of worlds D. Appleton and company, 358p, (1896)
- (B054) Ross, M. The search for extraterrestrials - intercepting alien signals Springer, 167p, (2009)
- (B055) Sagan, C. Cosmic connecton an extraterrestrial perspective , 205p, ()
- (B056) Sagan, C. Pale blue dot Random House, 0p, (1994)
- (B057) Sagan, C. The cosmic connection : an extraterrestrial perspective , 0p, (1973)
- (B058) Saraceno, P. Beyond the stars - our origins and the search for life in the universe World Scientific, 388p, (1998)
- (B059) Shklovskii, I.S. Sagan, C. Intelligent Life in the Universe Delta Book, 510p, (1966)

- (B060) Shneour, E.A. Ottesen, E.A. Extraterrestrial Life : An Anthology and Bibliography National Academy of Science, 0p, (1965)
- (B061) Shostak, G. S. Barnett, A. Cosmic company: the search for life in the universe Cambridge University Press, 161p, (2003)
- (B062) Shostak, G. S. Sharing the universe: perspectives on extraterrestrial life Berkeley Hills Books, 206p, (1998)
- (B063) Shuch, H. P. Tune In The Universe , 0p, ()
- (B064) Stoneley, J. CETI, communication with extraterrestrial intelligence Warner Books, 0p, (1976)
- (B065) Sullivan, W. We are not Alone : the continuing search for extraterrestrial intelligence Plume Books, 0p, (1993)
- (B066) Swift, D. SETI Pioneers University of Arizona Press, 0p, (1990)
- (B067) Teerikorpi, P. Valtonen, M. Lehto, K. The evolving universe and the origin of life - the search for our cosmic roots Springer, 539p, (2009)
- (B068) Tough, Allen When SETI Succeeds : The Impact of High-Information Contact , 0p, ()
- (B069) Ulmschneider, P. Intelligent life in the universe Springer, 310p, (2006)
- (B070) Vakoch, D. Harrison, A.A. Civilizations Beyond Earth Berghahn Books, 250p, (2011)
- (B071) Ward, P. D. Brownlee, D. Rare earth: why complex life is uncommon in the universe Copernicus, 335p, (2004)
- (B072) Webb, S. Where is everybody ? fifty solutions to the Fermi paradox Copernicus books, 293p, (2002)

- (B073) Wickramasinghe, C. A journey with Fred Hoyle - the search for cosmic life World Scientific, 245p, (2005)
- (B074) wikipedia Interstellar messages : an overview , 0p, ()
- (B075) Wilkins, J. The discovery of a world in the Moone , 117p, (1638)
- (B076) Wilkins, J. The discovery of a world in the Moone , 242p, (1638)
- (B077) Zukerman, B. Hart, M. H. Extraterrestrials : Where are they ? Cambridge University Press, 251p, (1995)

PROCEEDINGS

Those are proceedings from conferences, and books that are collection of papers written by several authours.

This chapter deals with proceedings written by a several authours and edited by a few people. They are mostly the product a conferences.

For each proceedings, the title of the book is given and the names of the people in charge of its edition. Informations related to the publisher is also provided. Then a short table of content listing all the contributions and their authours.

COMMUNICATION WITH EXTRATERRESTRIAL INTELLIGENCE

edited by Carl Sagan (MIT Press, 1973)

This is the English translation of the Byurakan meeting.

Extrasolar planetary system

Gold, Ambartsudian, Moroz, Pariisky

Extraterrestrial life

Sagan, Crick, Mukhin

The evolution of intelligence

Hubel, Stent

The evolution of technological civilization

Lee, Flannery, Markarian

The lifetimes of technological civilizations

Shklovsky, Platt, Stent, Minsky, Gold

The number of advanced galactic civilizations

Sagan, Marov, Lee, von Hoerner, Kardashev, Idris

Astroengineering activity : the possibility of Extraterrestrial intelligence in present astrophysical phenomena

Dyson, Kardashev, Ginburg, Marx

Techniques of contacts

Drake, Kardashev, Troitsky, Gindilis, Petrovich, Pariisky, Moroz, Oliver, Townes

Message contents

Panovskin, Kuznetzov, Sukhotin, Minsky

The consequences of contact

Morrison, McNeill

Nature of probability statements in discussions of the prevalence of extraterrestrial intelligent life

Terrence Fine

Added comments on "the prevalence of humanoids"

G.G. Simpson

The world, the flesh and the devil

Freeman J. Dyson

Infrared observations and Dyson civilizations

Martin Harwit

Searching for GODot

Joshua Lederberg

Tachyon bit rates

Martin Harwit

X-ray pulses for interstellar communications

James L. Elliot

INTERSTELLAR COMMUNICATIONS

a collection of reprints and original contributions

edited by A.G.W. Cameron (W.A.Benjamin inc., 1964)

Is communication possible with intelligent beings from other planets?

Iosif S. Shklovskiy

History of our galaxy

A.G.W. Cameron

The origin of the solar system

A.G.W. Cameron

The early development of the Earth

A.G.W. Cameron

Chemical evolution

Melvin Calvin

Occurrence of life in the universe

Su-Shu Huang

The problem of life in the universe and the mode of star formation

Su-Shu Huang

Life-supporting regions in the vicinity of binary systems

Su-Shu Huang

The sizes of habitable planets

Su-Shu Huang

Stellar life zones

A.G.W. Cameron

Search for artificial stellar source of infrared radiation

Freeman J. Dyson

Gravitational machines

Freeman J. Dyson

Radioastronomy and communication through space

Edward Purcell

The general limits of space travel

Sebastien von Hoerner

Searching for interstellar communications

Giuseppe Cocconi and Philip Morrison

How can we detect radio transmissions from distant planetary system?

Frank D. Drake

Project Ozma

Frank D. Drake

Detection of intelligent signal from space

J.A. Webb

Coherence in interstellar signals

M.J.E. Golay

Radio signals from other planets

R.N. Bracewell

Problem of transmission in interstellar communication

Su-Shu Huang

Some potentialities of optical masers

B.M. Oliver

Interstellar and interplanetary communication with optical masers

R.N. Schwartz and C.H. Townes

Life in the galaxy

R.N. Bracewell

Communication from superior galactic communities

R.N. Bracewell

Interstellar communication

Philip Morrison

The search for signals from other civilizations

Sebastien von Hoerner

Extraterrestrial intelligent life and interstellar communication : an informal discussion

J.P.T. Pearman

Interstellar communication

B.N. Oliver

Interstellar communication and human evolution

Robert Ascher and Marcia Ascher

Future research on interstellar communication

A.G.W. Cameron

Outlook regarding interstellar communication

Philip Morrison

BIOSASTRONOMY

the search for extraterrestrial life – the exploration broader

edited by J.Heidmann and M.J. Klein (Springer-Verlag, 1990)

Proceedings of the third international symposium on bioastronomy held at Val Cenis, Savoie, France, 18-23 June 1990

The creation of free energy

G. Marx

Particulate disks around main sequence stars

D.E. Backman and F. Paresce

Bursts of star formation in the local galactic disk and their implications for the origin and evolution of life around the sun and nearby stars

A.A. Suchkov

Testing Theories of Star Formation

J.N. Evans II

Towards an estimate of the fraction of stars with planets from velocities of high precision

B. Campbell, S. Yang and A.W. Irwin, G.A.H. Walker

On the feasibility of extra-solar planetary detection at very low radio frequencies

A. Lecacheux

The ESO microvariability key program and the detection of extrasolar planets and brown dwarfs

N. Vogt

A proposal for the search for extra-solar planets by occultation

J. Schneider and M. Chevreton

Near-term prospects for extra-solar planet detection: the astrometric imaging telescope

R.J. Terrell, E.H. Levy and G.D. Gatewood

A search for T-Tauri stars based on the IRAS point source catalogue

J.C.G. Hetem, J.R.D. Lepine, G.R. Quast, C.A.O. Torres and R. de la Reza

How many single stars among solar type stars ?

A. Duquennoy and M.Mayor

Habitable planetary orbits around Alpha Centauri and other binaries

D. Benest

The search for protostars

T.L. Wilson

The habitability of Mars-type planets around the main sequence stars

W.L. Davis, L.R. Doyle, D.E. Backman and C.P. McKay

Planetary accretion debris and IR excesses in open stellar clusters

D.E. Backman, J.R. Stauffer and F.C. Witteborn

Lithium abundance as a probe of the early evolution of solar-type stars

E.L. Martin, G. Basri and C. Bertout

Low-amplitude stellar velocity variations : other possibilities

D.W. Latham, G. Torres and T. Mazeh

Some recent developments in interstellar chemistry

W.M. Irvine, A. Hjalmarsen and M. Ohishi

The formation of long chains of carbon atoms in space

R.D. Brown, D.M. Cragg and R.P.A. Bettens

Hydrogen cyanide polymerization: a preferred cosmochemical pathway

C.N. Matthews

Polycyclic aromatic hydrocarbons (PAH's): very abundant organic molecules in the interstellar medium

A. Leger, L. d'Hendecourt, L. Verstraete and C. Joblin

Primitive evolution: early information transfer and catalysis by purines

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The search for H₂O in extraterrestrial environments

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Self-assembly properties of primitive organic compounds

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Cometary studies: the bioastronomical perspectives

A.C. Levasseur-Regourd

Origin of the biosphere of the earth

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Carbon-rich micrometeorites and prebiotic synthesis

M. Maurette, Ph. Bonny, A. Brack, C. Jouret, M. Pourchet and P. Sity

Titan's atmosphere probed by stellar occultation

A. Brahic, B. Sicardy, C. Ferrari and D. Gautier

Study of transmitted light through Titan's atmosphere

D. Toubanc, J.P. Parisot and J. Brillet

UV radiation fields in dense clouds: photochemical effects

S. Aiello, S. Tine' and C. Cecchi-Pestellini

Prebiotic chemistry in planetary environments

F. Raulin

Terrestrial accretion of prebiotic volatiles and organic molecules during the heavy bombardment

C.F. Chyba, C. Sagan, L. Brookshaw, and P.J. Thomas

Geophysics and habitable zones around sun-like stars

D.W. Schwartzman and T. Volk

Exobiological habitats: an overview

L.R. Doyle and C.P. McKay

Habitable zones for Earth-like planets around main sequence stars

D.P. Whitmire, R.Z Reynolds and J.F. Kasling

Titan's atmosphere from voyager infrared observations: parallels and differences with the primitive earth

A. Coustenis

Liquid water and life on early Mars

C.P. McKay, L.R. Doyle, W.L. Davis and R.A. Wharton

New interpretation of crustal extension evidences on mars

E.A. Grin

Martian paleohydrology and its implications for exobiology science

N.A. Cabrol and E.A. Grin

Boundaries of the Earth's biosphere

M.D. Nussinov and S.V. Lysenko

The Impact of Technology on SETI

M.I. Klein and S. Guilkis

RFI Surveys at Selected Radio Observatories

E.T. Olsen, E.B. Jackson and S. Guilkis

A 1Hz Resolution RFI Survey: Preliminary Results

J.W. Dreher, J. Tarter and D. Werthimer

The SERENDIP II SETI Program: Observations and RFI Analysis

C. Donnelly, S. Bowyer, W. Herrick, D. Werthimer, M. Lampton and T. Hiatt

SETI: On the Telescope and on the Drawing Board

J.C. Tarter and M.J. Klein

Project of ETI Signal Search at the Wavelength 1.47 mm

S.F. Likhachev and G.M. Rudnitstkiĭ

A SETI Search Technique: Monitor Stars to Which We Have Sent Signals

P.B. Boyce and L.H. Wasserman

Search for Alien Space Probes

A.V. Arkhipov

Karhunen-Loève Versus Fourier Transform for SETI

C. Maccone

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L.N. Filippova, N.S. Kardashev, S.F. Likhachev and V.S. Strel'nitskiĭ

Pan-Galactic Pulse Periods and the Pulse Window for SETI

W.T. Sullivan, III

Cosmic Background Radiation Limits for SETI

S. Guilkis

VLBI and Interstellar Scattering Tests for SETI Signals

V.I. Slysh

A Test for the Interstellar Contact Channel Hypothesis in SETI

D.G. Blair, R. Norris, K.J. Wellington, A. Williams and A. Wright

The SETI Program of the Planetary Society

T.R. McDonough

Trying to do science using high spectral resolution SETI prototypes

J.C. Tarter, P. Backus, K Cullers, J. Dreher, C Hlavka and J. Jordan

The summit of the cbr at mm wavelengths and other queries

J.P. Vallee

The potential contribution of the northern cross radiotelescope to the SETI program

C. Bortolotti, A Cattani, N. D'Amico, G. Grueff, A. Maccaferri, S. Montebugnoli and M. Roma

A proposal for a SETI global network

J. Heidmann

A search for Dyson spheres around late-type stars in the IRAS catalog

J. Jugaku and S. Nishimura

Gravitational, plasma, and black-hole lenses for interstellar communications

V.R. Eshleman

SETI through the gamma-ray window: a search for interstellar spacecraft

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Criteria of artificiality in SETI

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I.M. Pepperberg

Archeology in space: encountering alien trash and other remains

D.L Holmes

Biological constraints on interstellar travel

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SEti searches with the 70-m SUFFA radio telescope

N.S. Kardashev

Strategy of the mutual search for civilizations by means of probes

U.N. Zakirov

Connections: Life on Earth and Atoms in the Universe

R.E. Davies and R.H. Koch

From the physical world to the biological universe: historical developments underlying seti

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Possible way for evolution of the intellect of intelligent beings

L.V. Ksanfomality

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May there be an ultimate goal to the cosmic evolution?

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V.V. Burdyuzha, V.I. Maron and M.D. Nussinov

Peace among the factions: cooling tempers in the extraterrestrial life debate

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The likely organizational order of advanced intelligences

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The role of comprehensive perception in tradition

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Technical evolution and positive feedback

J. Pfeiderer and M. Pfeiderer

Contact paranoia and pronia: an anthropologist looks at SETI

B. Finney

The Declaration of Principles for Activities Following the Detection of Extraterrestrial Intelligence

J. Billingham, M. Michaud and J.C. Tarter

The Consequences of Contact: Views of the Scientific Community and the Science Media

D.E. Tarter and W.G. Peacock

Selection Criteria in Bioastronomy: Excerpts from a Panel Discussion

I. Almar, W.H. Calvin, V.V. Rubtsov, W.T. Sullivan III, J.C. Tarter and D.K. Werthimer

Summary of Scientific Content of the Symposium

F.D. Drake

EXO BIOLOGY

edited by M.M. Freundlich and B.M. Wagner (American Astronautical Society, 1969)

Frontiers in solar system exobiology

Sagan, C.

Automated microbial metabolism laboratory

Levin, G.V.

Life detection techniques

Young, R.S.

Techniques of interstellar communication

Hafner, E.M.

The origin of microbial life on Earth and its implication for extraterrestrial forms

Isenberg, H.D.

Biochemical basis for life in extraterrestrial environments

Vishniac, W.

Sociological aspects of exobiology

Wagner, B.M.

EXTRATERRESTRIAL LIFE AN ANTHOLOGY AND BIBLIOGRAPHY

compiled by E.A. Shneour, E.A. Ottesen (National Academy of Sciences 1966)

Geochemistry of organic substances

Abelson, P.H.

Observations on the nature of the "organized elements" in carbonaceous chondrites

Fitch, F.W. and Anders, E.

How did life begin ?

Fox, S.W.

Reduction of carbon dioxide in aqueous solution by ionizing radiation

Garrison, W.M. and Morrison, D.C.

The origin of life

Haldane, J.B.S.

Pasteur an cosmic asymmetry

Haldane, J.B.S.

On the evolution of biochemical syntheses

Horowitz, N.H.

Occurrence of life in the universe

Huang, S.S.

Outer space and life

Imshenetsky, A.A.

Physical observation of the lunar surface

Kozyrev, N.A.

Exobiology: approaches to life beyond on Earth

Lederberg, J.

Evidence in meteorite of former life: the organic compounds in carbonaceous chondrites are similar to those found in marine sediments

Meinschein, W.G., Nagy, B. and Hennessy, D.J.

The formation of organic compounds on primitives Earth

Miller, S.L.

Organic compounds synthesis on the primitive Earth

Miller, S.L. and Urey, H.C.

Synthesis of purines under possible primitive Earth conditions part 1 and 2

Oro, J. and Kinball, A.P.

Study in experimental organic cosmochemistry

Oro, J.

Formation of adenine by electro irradiation of methane, ammonia and water

Ponnampuruma, C., Lemmon, R.M., Mariner, R. and Calvin, M.

Synthesis of deoxyadenosine under simulated primitive Earth conditions

Ponnampuruma, C. and Kirk, P.

On the origin and planetary distribution of life

Sagan, C.

The nonprevalance of humanoids

Simpson, G.G.

Extraterrestrial microbiology

Vishniac, W.

Life in the second and third periods or why phosphorus and sulfur for high energy bonds

Wald, G.

INTERSTELLAR COMMUNICATIONS

scientific perspective

edited by C. Ponnampereuma and A.G.W. Cameron (...)

An introduction to the problem of interstellar communication

Sagan, C.

Planetary systems in the galaxy

Cameron, A.G.W.

The chemical basis of extraterrestrial life

Ponnampereuma, C.

The likelihood of the evolution of communicating intelligence on other planets

Arbib, M.

Possible forms of intelligence natural and artificial

McCarthy, J.

From chemical to biological to social evolution

Aronoff, S.

Interstellar probe

Bracewell, R.N.

Methods of communication: message content, search strategy, interstellar travel

Drake, F.

Technical considerations of interstellar communication

Oliver, B.M.

Entropy, life and communication

Morrison, P.

EXTRATERRESTRIAL CIVILIZATIONS

Problems of interstellar communication

edited by S.A. Kaplan (1971)

translation from Russian (Vnezemnye tsivilizatsii. Problemy mezhzvezdnoi svyazi, 1969)

a long introduction by S.A. Kaplan

The astrophysical aspects of the search for signals from extraterrestrial civilisations
Kardashev, N.S.

The effect of the space medium on the propagation of radio signals
Panovkin, B.N.

The possibility of radio communication with an extraterrestrial civilisation
Gindilis, L.M.

Methods of message decoding
Sukhotin, B.V.

Rates of development of civilisation and their forecasting
Khovanov, G.M.

THE BLUE DOT WORKSHOP

edited by J. des Marais (1997)

Proceedings of a workshop held at Moffett Field, California, June 27-28, 1996
NASA Conference publication 10154

Free oxygen in the atmosphere of Mars and Venus

Allen, M.; Yung, Y.L.

Earth's air chemistry seen from space

Chatfield, R.

Atmosphere and surfaces of outer planets

Crunkshank, D.P.

History of atmosphere levels

des Marais, D.J.

Water on Mars and Venus

Donahue, T.M.

Signature of intelligent life

Drake, F.

Tarter, J.

Remote sensing of Earth atmosphere

Farmer, C.B.

Radiation transfert and the search for extraterrestrial life

Ganapol, B.D.

Habitable zone around stars and their relation to CO₂, O₂ and O₃

Kasting, J.F.

The project Darwin

Leger, A.

Organic reactivity contributing on biogenic gas production, oxydation, and transport processes

Martens, C.S.

Exobiology laying the groundwork in a search for extrasolar life

Mayor, M.

Reduced biogenic carbon gases who cut the cheese

Orenland, R.S.

Multiple blue dots

Owen, T.

Remote sensing of the Earth biosphere

Peterson, D.L.

Biogenic trace gases on Earth understanding the controls of global source and sink

Poter, C.S.

Contrasts in the Earth present and early methane budget

Reeburgh, W.S.

How definitive would detection of H₂O, CO₂, O₂/O₃ and CH₄/O₂ be for the identification of life on planets of other stars?

Sagan, C.

Life detection by atmosphere analysis

Watson, A.

A space based imaging bulling interferometer

Woolf, N.; Angel, R.

Disequilibrium chemistry of impact

Zahnle, K.

SERENDIPITOUS DISCOVERIES IN RADIO ASTRONOMY

edited by K. Kellermann, B. Sheets (1983)

Proceedings of a Workshop (#7) held at the National Radio Astronomy Observatory Green Bank, West Virginia on May 4, 5, 6, 1983

My father and his work

Jansky, D.

Personnel recollections for the Greenbank symposium

Jansky Parson, A.M.

Personnal recollection of Karl Jansky

Beak, A.C.

Karl Jansky and the beginning of radio astronomy

Sullivan, W.T.

Karl Guthe Jansky serendipity. Its impact on astronomy and its lesson for the future

Krauss, J.D.

Radio astronomy between Jansky and Reber

Reber, G.

Optical and radio astronomers in the early years

Greenstein, J.L.

Impact of world war II on radio astronomy

Lovell, B.

Early radar research and a beginning in radio astronomy

Covington, A.E.

U.S. radio astronomy following world war II

Haddock, F.I.

Impact of news media on scientific research

Sullivan, W.

Development of aperture synthesis at Cambridge

Findlay, J.W.

The compound interferometer – a precursor of smart arrays

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The development of Michelson and intensity long baseline interferometry

Thompson, A.R.

The almost serendipitous discovery of self-calibration

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The discovery of pulsars

Bell Burnell, J.

The discovery of quasars

Schmidt, M.

Discovery of the 3K radiation

Wilkinson, D.T.

Discovery of the cosmic microwave background

Wilson, B.W.

Introduction to the panel discussion of the methodology of scientific research

Ekers, R.D.

Observational discovery vs. theoretical discovery

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Non-standard approaches to astronomical research

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The buffalo syndrome

Broderich, J.J.

Radio astronomy: progress of a technique oriented discipline

Buske, B.F.

Impact of computers on radio astronomy

Lovell, B.

Forty years of solar radio astronomy – a history of major advances

Kundu, M.R.

The discovery of Jupiter bursts

Franklin, K.L.

The discovery of Jupiter radiation belts

Drake, F.D.

Early observation of thermal planetary radio emission

Mayer, C.M.

Discovery of Mercury's rotation

Pettengill, G.H.

Discovery of giant molecular clouds and interstellar masers

Barrette, A.H.

The discovery of radio novae

Wade, C.M.

Serendipitous in the galaxy: the galactic warp and the galactic nucleus

Kerr, F.J.

The first years at Parkes

Price, R.M.

SETI – the ultimate serendipitous discovery

von Hoerner, S.

Radio astronomy at Dover Heights

Bolton, J.

THE SEARCH FOR EXTRATERRESTRIAL INTELLIGENCE NRAO WORKSHOP 1985

edited by K.I. Kellermann and G.A. Seielstad (1985)

Proceedings of a Workshop (#11) held at the National Radio Astronomy Observatory Green Bank, West Virginia on May 20, 21, 22, 1985

Life in space and humanity on Earth

von Hoerner, S.

Project OZMA

Drake, F.D.

Project OZMA – how it really was

Crews, J.F.

Evolution of our thoughts on the best strategy for SETI

Papagiannis, M.D.

The search for biomolecule in space

Snyder, L.E.

Mutual help in SETI

Frish, D.H.

A symbiotic SETI search

Bania, T.M.

Should the search be made optically

Broderick, J.J.

A search for SETI targets

Russell, J.L.

A Milky Way search strategy for extraterrestrial intelligence

Sullivan, W.T. III

SETI observations worldwide

Tarter, J.C.

Ultra-narrowband SETI at Harvard/Smithsonian

Horowitz, P.

The NASA SETI program: an overview

Oliver, B.M.

Narrowband signal detection in the SETI field test

Cullers, D.K.; Deans, S.R.

Are 100 millions channels enough?

Linscott, I.

The NASA SETI program at JPL

Gulkis, S.; Olsen, E.T.

Radio astronomy aspects of the NASA SETI sky survey

Klein, M.J.

Macro events in a SETI archive

Dixon, R.S.

Small SETI systems

Gray, R.H.

The nature of technological civilisations

Road, R.T.

Manifestation of intelligence implications for SETI

Kuiper, T.B.H.

How do we reply?

Verschuur, G.L.

COMMUNICATION WITH EXTRATERRESTRIAL INTELLIGENCE

edited by J.Billingham and R.Pesek (ACTA Astronautica, vol.6, Pergamon Press, 1979)

This special issue of ACTA ASTRONAUTICA is devoted to the subject of Communication with Extraterrestrial Intelligence (CETI)

Activities of the IAA CETI committee from 1965-1976 and CETI outlook

R. Pesek

The search for extraterrestrial intelligence – SETI

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Strategy for the search for extraterrestrial intelligence

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A review of the theory of interstellar communication

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A review of recent concepts of the problem of the origin of life

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An extended Drake's equation, the longevity-separation relation, equilibrium, inhomogeneities and chain formation

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Search for signals from extraterrestrial civilizations by the method of synchronous dispersive reception

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Strategic considerations in SETI, and a microwave approach

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An observational program to search for radio signals from extraterrestrial intelligence through the use of existing facilities

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An experiment protocol for a search for radio signals of extraterrestrial intelligent origin in the presence of man-made radio frequency sources

R.E. Edelson

Two systems analyses of SETI

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An infinitely expandable space radiotelescope

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On active and passive CETI from an earth satellite orbit

M. Subotowicz, J. Usowicz and Z. Paprotny

Interstellar communication by neutrino beams

M. Subotowicz

Message through time

G. Marx

THE SEARCH FOR EXTRATERRESTRIAL LIFE: RECENT DEVELOPMENTS

ed. M.D. Papagiannis (D.Reidel publishing company, 1984)

Proceedings of the 112th symposium of the international Astronomical Union held at Boston University, Boston, Mass., USA, June 18-21, 1984

A historical introduction to the search for extraterrestrial life

M.D. Papagiannis

Twenty-five years of the search for extraterrestrial communications

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SETI is coming of age

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A review of the scientific rationale and methods used in the search for other planetary systems

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Assisting extrasolar planetary detection through the determination of stellar space orientations

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Prebiotic matter in interstellar molecules

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Recent observations of organic molecules in nearby cold, dark interstellar clouds

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Infrared spectral identification of complex organic molecules in interstellar grains

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Universal protein ancestors from hydrogen cyanide and water

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Panspermia – a modern astrophysical and biological approach

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No valid evidence exists for interstellar proteins, bacteria, etc.

R.E. Davies, A.M. Delluva and R.H. Koch

Astronomical sources of circularly polarized light and their role in determining molecular chirality on Earth

R.D. Wolstencroft

Synthesis and analysis in chemical evolution

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Molecular replication

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The precambrian evolution of terrestrial life

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Some implications of mass extinction for the evolution of complex life

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Evidence for a solar companion star

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Search for strongly polarized radio emission from E.T.I., and an optimist approach to the great silence (Fermi's Paradox)

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Eavesdropping detection of radio signals from other planets with one bit implementation techniques using existing computers

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SETI: a more eclectic approach

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The 8-million channel narrowband analyzer

P. Horowitz, J. Forster and I. Linscott

The multichannel spectrum analyzer

A.M. Peterson, K.S. Chen and I.S. Linscott

Software implementation of detection algorithms for the MCSA

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SETI: the microwave search problem and the targeted search approach

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SETI: the microwave search problem and the NASA survey approach

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An analysis of the elements of an all sky survey

E.T. Olsen, A. Lokshin and S. Gulkis

Optimum search strategy for randomly distributed CW transmitters

S. Gulkis

A Milky Way search strategy for extraterrestrial intelligence

W.T. Sullivan and K.J. Mighell

The Serendip II design

D. Werthimer, J. Tarter and S. Bowyer

New 45W radio telescope and Fourier-transform type spectrometer at Nobeyama radio observatory

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Extraterrestrial intelligence: where is everybody?

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D. Hoang-Binh

On the inevitability and the possible structures of supercivilizations

N.S. Kardashev

An infrared search in our solar system as part of a more flexible search strategy

M.D. Papagiannis

LIFE IN THE UNIVERSE – FROM THE MILLER EXPERIMENT TO THE SEARCH FOR LIFE ON OTHER WORLDS

edited by J. Seckbach, J. Chela-Flores, T. Owen and F. Raulin (Springer science-business media, B.V. 2004)

Introduction to Life in the Universe

T. Johnson

The Abdus Salam Lecture

H. Baltscheffsky

The Beginning of Chemical Evolution Experiments

S. Miller, J. L. Bada and A. Lazcano

An Overview of Cosmic Evolution

George V. Coyne

Physical Phenomena underlying the Origin of Life

Juan Perez-Mercader

The Origin of Biogenic Elements

F. Matteucci and C. Chiappini

Thermochemistry of the Dark Age

D. Puy

Searching for Oldest Life on Earth: A Progress Report

S. Moorbath and B.S. Kamber

The European Exo/Astrobiology Network Association

A. Brack

The Origin of Biomolecular Chirality

J. Rivera Islas, J.C. Micheau and T. Buhse

Salam Hypothesis and The Role of Phase Transition in Amino Acids

W. Wang, N. Yao, Y. Chen and P. Lai

A Mechanism for the Prebiotic Emergence of Proteins

H.P. De Vladar, R. Cipriani, B. Scharifker and J. Babis

Functional, Self-Referential Genetic Coding

R.C. Guimaraes and C.H.C. Moreira

Importance of Biased Synthesis in Chemical Evolution Studies

A. Negron-Mendoza, S. Ramos-Bernal and F.G. Mosqueira

When Did Information First Appear in the Universe

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Prebiotic Organic Synthesis and the Emergence of Life

L. Delaye, A. Becerra, A.M. Velasco, S. Islas and A. Lazcano

Origin and Evolution of Very Early Sequence Motifs in Enzymes

H. Baltscheffsky, B. Persson, A. Schultz, J.R. Perez-Castineira and M. Baltscheffsky

The Lipid World: From Catalytic and Informational Headgroups to Micelle Replication and Evolution without Nucleic Acids

A. Bar-Even, B. Shenhav, R. Kafri and D. Lancet

Coenzymes in Evolution of the RNA World

M.S. Kritsky, T.A. Telegina, T.A. Lyudnikova and Yu. L. Zemskova

The Role of Heat in the Origin of Life

P.R. Bahn, A. Pappelis and R. Grubbs

A Possible Pathway for the Transfer of Chiral Bias from Extraterrestrial C^α-Tetrasubstituted α -Amino Acids to Proteinogenic Amino Acids

M. Crisma, A. Moretto, F. Formaggio, B. Kaptein, Q. B. Broxterman and C. Toniolo Prebiotic Polymerization of Amino

Acids. A Makov Chain Approach

F.G. Mosqueira, S. Ramos-Bernal and A. Negron-Mendoza

The Electrochemical Reduction of Co 2 to Formate in Hydrothermal Sulfide Ore Deposit as a Novel Source of Organic Matter

M.G. Vladimirov, Yu.F. Ryzhkov, V.A. Alekseev, V.A. Bogdanovskaya, V.A. Otroshchenko and M.S. Kritsky

Towards a Chronological Order of the Amino Acids

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Origin and Evolution of Metabolic Pathways

M. Brillì and R. Fani

Conserved Oligopeptides in the Rubisco Large Chains

P.B. Vidyasagar, P. Shil and S. Thomas

On The Question of Convergent Evolution in Biochemistry

A.A. Akindahunsi and J. Chela-Flores

Diversity of Microbial Life on Earth and Beyond

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Pragmatism, cosmocentrism, and proportional consultation for communication with extraterrestrial intelligence

M.L. Lupisella

SETI and international radio law

F. Lyall

What the world needs now : identifying the relative degree of specific Maslovian needs and degree...

T.A. Lower, D.A. Vakoch

Limits on interstellar messages

S. Shostak

Communication among interstellar intelligent species: a search for universal cognitive maps

G.A. Lemarchand and J. Lomberg

The chemiosmosis message – a simple and information-rich communication in the search for extraterrestrial intelligence

C.S. Cockell

A proposal for an interstellar Rosetta stone

S. Dumas

Processes in lingua cosmica

A. Ollengren and D.A. Vakoch

Testing SETI message designs

M.W. Busch and R.M. Reddick

The DISC quotient: a post-detection strategy

J.R. Elliott and S. Baxter

On the universality of human mathematics

C.L. DeVito

Cognitive foundations of interstellar communication

D. Duner

Culture, meaning, and interstellar message construction

J.W. Traphagan

REPORTS

List of reports related to SETI

This chapter presents a list of reports. Those documents are written by a few authors. They may be results from scientific conferences, workshops or studies.

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|--------|---|---|---------------------------------|
| (R001) | Ambartsumian, V.A.; Kardashev, N.S.; Troiskii, V.S. | Problema Poiska Jeeznee yo Vselennoi (Russian) | Moskva Nauka, 130p, (1986) |
| (R002) | Appenzeler, I. | Reports on astronomy (including commission 51) | Springer Science , 583p, (1997) |
| (R003) | Billingham, J. | Life in the Universe (NASA CP-2156) | , 250p, (1981) |
| (R004) | Coulter, G.R.; Klein, M.J.; Backus, P.R. | Searching for Intelligent Life in the Universe: NASA's High Resolution Microwave Survey | , 41p, (1993) |
| (R005) | Cullers, Kent; Deans, S.R. | SETI Algorithms | , 113p, (1993) |
| (R007) | Drake, F.; Wolfe, J. H.; Seeger, C. L. | SETI science working group report (NASA TP-2244) | , 138p, (1984) |
| (R008) | Gurnett, D.A. | A multidisciplinary study of planetary, solar and astrophysical radio emissions (NASA NAGW-386) | , 39p, (1986) |
| (R009) | Hoffman, D.B.; Kontaratos, A.N. | Biological Generalizations and the Search for Extraterrestrial Life (NASA NASW-417) | , 55p, (1969) |

- (R010) Mallove, E.F.; Connors, M.M.; Forward, R.L. A Bibliography on the Search for Extraterrestrial Intelligence (NASA RP-1021) , 136p, (1978)
- (R011) Messerschmitt, D. End-to-end Interstellar Communication System Design for Power Efficiency , 28p, (2013)
- (R012) Michael, D. N. Proposed Studies on the Implications of Peaceful Space Activities for Human Affairs (the Brookings Report) The Brookings Institution, 219p, (1960)
- (R013) Morrison, I. S. Evaluation of symbol-wise autocorrelation for the setiquest project , 36p, (2011)
- (R014) Oliver, B.M.; Billingham, J. Project Cyclops , 253p, (1971)
- (R015) Ponnampereuma, C. In the search for extraterrestrial life (NASA TT F-15,856) , 20p, (1972)
- (R016) Quimby, F.H. Concept for detection of extraterrestrial life (NASA SP-56) , 68p, (1964)
- (R017) Rummel, J.D. Publications of the exobiology program for 1988 (NASA TM 4169) , 74p, (1989)
- (R018) Tarter, J. Project Haystack: the search for life in the galaxy SETI Institute, 255p, (2010)
- (R019) US government Possibility of intelligent life elsewhere in the universe , 129p, (1977)

IAC conferences

List of papers presented during the International Aeronautical Congress. The International Academy of Aeronautics (IAA) SETI Permanent Committee has two sessions during those meetings.

(work in progress: this chapter will be updated as soon as the information related to the meetings will be available)

- 1982 – Paris, France**
- 1983 – Budapest, Hungary**
- 1985 – Stockholm, Sweden**
- 1986 – Innsbruck, Austria**
- 1987 – Brighton, United Kingdom**
- 1988 – Bangalore, India**
- 1989 – Torremolinos, Spain**
- 1990 – Dresden, Germany**
- 1991 – Montreal, Canada**
- 1992 – Washington, USA**
- 1993 – Graz, Austria**
- 1994 – Jerusalem, Isreal**
- 1996 – Beijing, China**
- 1997 – Turin, Italy**
- 1998 – Melbourne, Australia**
- 1999 – Amsterdam, The Netherlands**

9.1.01	Shosta, S.	Project Phoenix Enters Adulthood
9.1.02	Target, J.	Bioastronomy '99: A Synopsis, and An Updated Target List for Project Phoenix
9.1.03	Heidmann, J.	A New IAA Cosmic Study: Establishing a Radio Observatory on the Moon Farside
9.1.04	Schneider, J.	Can We Detect Extra-Solar Technology in the Cosmic Ray Spectrum?

9.1.05	Norris, R.	How Old is ET?
9.1.06	Tough, A.	The Array of Search Strategies
9.1.07	Taylor, D.	Southern SERENDIP Project: SETI Candidate Analysis Using Neural Network and Statistical Techniques
9.1.08	Elliott, J.	Language in Signals: The Detection of Generic Species-Independent Intelligent Language Features in Symbolic and Oral Communications
9.1.09	Ollengren, A.	Large-size Message Construction for ETI: Typing Static Relations
9.1.10	Vakoch, D.	Communicating Scientifically Formulated Spiritual Principles in Interstellar Messages
9.2.01	Billigham, J.	Annual Pesek Lecture: SETI and Society - Decision Trees
9.2.02	Harrison, A.	Confirmation of ETI: Initial Organizational Response
9.2.03	Oliver, C.	The Case of EQ Peg: Challenge and Response
9.2.04	Schenkel, P.	Contact With Advanced ETI: Implications for a New World Order
9.2.06	Bhathal, R.	SETI Education for the Public
9.2.07	Tarter, J.	The Biggest Challenges in the 28 Days Following the Detection of Extraterrestrial Intelligence: A Panel Discussion

2000 – Rio de Janeiro, Brazil

9.1.01	Welch, W.	Annual Pesek Lecture: Building SETI's First Dedicated Observatory
9.1.02	Davis, M.	Buying Cyclops by the Yard
9.1.03	DeBiase, R.	Beyond the Square Kilometer Array

9.1.04	Shuch, P.	One Hundred Up, 4900 To Go! A Project Argus Update
9.1.05	Corbet, R.	The Use of Gamma-Ray Bursts as Time and Direction Markers in SETI
9.1.06	Stootman, F.	Galactic Plane SETI Candidates – Results from the Southern SERENDIP Spectrometer
9.1.07	Werthimer, D.	The Berkeley SETI Program: SETI@Home, SERENDIP, and Optical SETI
9.1.08	Howard, A.	An All-Sky Optical SETI Survey
9.1.09	Borucki, B.	Projects for the Detection of Earths Orbiting Other Stars
9.1.10	Pierson, T.	SETI 2020 - A Roadmap for the Next 20 Years of SETI Research
9.2.01	Almar, I.	The Discovery of ETI as a High-Consequence, Low-Probability Event
9.2.03	Diederich, J.	The Convergence of Intelligences: Learning, Symbols and Efficient Communication
9.2.04	Strelmitski, V.	SETI as a Subject of Public Opinion
9.2.05	Lemarchand, G.	Sociodynamical Analysis of Human Archetypes about Extraterrestrial Intelligent Beings
9.2.06	Gardner, J.	Assessing the Robustness of the Emergence of Intelligence: Testing the Selfish Biocosm Hypothesis
9.2.07	Oliver, C.	SETI in High Schools Down Under
9.2.08	Ollongren, A.	Large-Size Message Construction for ETI: Typing Logic Contents
9.2.10	Vakoch, D.	Cognitive Modeling of Music Perception as a Foundation for Interstellar Message Composition
9.2.11	Balazs, B.	The Interdisciplinary Benefits of SETI

2001 – Toulouse, France

9.1.01	Drake, D.	Annual Pesek Lecture: Promising New Approaches in the Search for Extraterrestrial Intelligence
9.1.02	Shuch, P.	Array2K: Multiple Dishes, Multiple Modes
9.1.03	Montebugnoli, S.	SETI Italia: Status Report
9.1.04	Cullers, K.	Trials of Omni-Directional Sky Survey Telescopes
9.1.05	Maccone, C.	The Lunar SETI Cosmic Study: Current Status and Perspectives
9.1.06	Shostak, S.	The Lifetime of Technological Civilizations
9.1.07	Morison, I.	The Lovell Telescope Upgrade
9.1.08	Tarter, J.	Update on the Allen Telescope Array and Square Kilometer Array
9.1.09	Dutil, Y.	Error Correction in SETI
9.1.10	Monari, J.	SALVE 2 (Software Aimed at off Line Verification ETI signals ver 2.0)
9.1.11	Schlumberger, M.	The SETI Game
9.2.01	Oliver, C.	Science Journalists and SETI Scientists: Improving Communication
9.2.02	DeVore, E.	Educating the Next Generation of SETI Scientists: Voyages Through Time
9.2.03	Almar, I.	How the Rio Scale Should be Improved
9.2.04	Tough, A.	Post-Contact Communication and Security
9.2.05	Michaud, M.	Ten Decisions That Could Shake the World
9.2.06	Gardnes, J.	Artificial Exo-Society Modeling: A New Tool for SETI Research

9.2.07	Elliott, J.	First Stage Identification of Syntactic Elements in an Extraterrestrial Signal
9.2.08	Atwell, E.	Corpus Linguistics and the Design of a Response Message
9.2.09	Ascheri, V.	Interstellar Communication: Chemistry as a Highly Recommended Subject Matter
9.2.10	Ollengren, A.	Large-Size Message Construction for ETI: An Experiment in CETI
9.2.11	Musso, P.	Analogy as a Tool to Communicate Abstract Concepts in SETI
9.2.12	Vakoch, D.	Communicating Concepts about Altruism in Interstellar Messages: an Evolutionary Game-Theoretic Approach

2002 – Houston, USA

IAC-02-IAA.9.1.01	Drake, F.	Promising new approaches in the search for extraterrestrial intelligence
IAC-02-IAA.9.1.02	Shuch, H.P.	The very small array: proof-of-concept for array 2K
IAC-02-IAA.9.1.03	Tarter, J.	Update on the square kilometer array
IAC-02-IAA.9.1.04	Maccone, C.	The Lunar farside radio lab study of the IAA
IAC-02-IAA.9.1.05	Cullers, K.	Trials of omni-directional sky survey telescope
IAC-02-IAA.9.1.06	Shostak, S.	The Rio scale applied to fictional "SETI detections"
IAC-02-IAA.9.1.07	Backus, P.	Horowitz/Sagan signal were not ETI
IAC-02-IAA.9.1.08	Harris, M.J.	Limits from satellite gamma-ray observations on the use of antimatter propulsion by extraterrestrial civilizations

IAC-02-IAA.9.1.09	Werthimer, D.	Searching for ET with help from three million volunteers: the SETI@home, Serendip, Serendip and Spock SETI programs
IAC-02-IAA.9.2.01	Marshall, W.	SETI and astrobiology: contact - a youth perspective
IAC-02-IAA.9.2.02	De Vore, E.; Tarter, J.	Educating the next generation of SETI scientists: voyages through time
IAC-02-IAA.9.2.03	Tough, A.	Communicating with ETI: five needed steps
IAC-02-IAA.9.2.04	Michaud, M.A.G.	Ten decisions that could shake the world
IAC-02-IAA.9.2.05	Gardner, J.N.	Artificial exo-society modeling: a new tool for SETI research
IAC-02-IAA.9.2.06	Vakoch, D.A.	Communicating concepts about altruism in interstellar messages
IAC-02-IAA.9.2.07	Doyle, L.R.; McCowan, B.	Information theory applied to dolphin whistle vocalizations with possible application to SETI signals
IAC-02-IAA.9.2.08	Atwell, E.; Elliott, J.	Corpus linguistics and the design of a response message
IAC-02-IAA.9.2.09	Dutil, Y.; Dumas, S.	Young: a cryptanalytic toolkit for SETI
IAC-02-IAA.9.2.10	Elliott, J.; Atwell, E.	The filtration of inter-galactic objects troupes and the identification of the lingua ex machina hierarchy

2003 – Bremen, Germany

Schlumberger, M.E.	A model of monidirectional SETI
Maccone, C.	Lunar farside radio lab : a "cosmic study" by the International Academy of Astronautics
Carrigan, R.A.	Do potential SETI signals need to be decontaminated.

Sterns, P.	Metalaw and relations with intelligent beings revisited
Genta, G.	Will space actually be the final frontier of humankind?
Arnould, J.	Human being: the next space frontier
Maccone, C.	Innovative SETI by the KLT
Montebugnoli, S.	SETI-Italia 2003: status review
Horowitz, P.	Targeted optical SETI at Harvard / Smithsonian and Princeton
Howard, A.	All-sky optical SETI
Wilson, T.L.	Power consideration in the context of SETI
Shostak, S.	When will we detect the extraterrestrials?
Dorminey, B.	Back to the basics
Shuch, H.P.	SETI snack attack: lessons learned from the Pearl Harbor hoax
Oliver, C.	Communicating astrobiology - a new approach
Brake, M.	Life in the universe: a course in science, and science fiction
Pierson, T.	SETI institute as a model for managing interdisciplinary science
Vakosh, D.A.	The art and science of interstellar message composition: a report on international workshops to encourage multidisciplinary discussion
Musso, P.	From maths to culture towards an effective message
Ollengran, A.	Large-size message construction for ETI - inductive self-interpretation
Settino, M.	"Mining" the sky from data-mining

Monari, J.	Generalized Hough transform: an useful algorithm for signal path detection
Ruffolo, A.	Outlier analysis for SETI
Elliott, J.	A human language corpus for interstellar message construction

2004 – Vancouver, Canada

SETI and Other Extraterrestrial Discoveries

IAC-04- IAA.1.1.1.01	Werthimer, D.; Anderson, D.; Cobb, J.	The top 200 candidates from 25 years of berkeley SETI
IAC-04- IAA.1.1.1.02	Tarter, J.	Progress report on the Allen telescope array
IAC-04- IAA.1.1.1.03	DeBoer, D.R.	The Allen telescope array: commensal and efficient SETI
IAC-04- IAA.1.1.1.04	Cullers, K.; Stauduhar, R.; Schlumberger, M.E.	Sensitive detection of coherence
IAC-04- IAA.1.1.1.05	Montebugnoli, S., Monari, J.; Zoni, L.	A new system for the SETI-Italia data analysis.
IAC-04- IAA.1.1.1.06	Carrigan, R.A.	Limitations for pure Dyson sphere searches
IAC-04- IAA.1.1.1.07	Schuch, H.P.	Entering the SETI olympics: the role of the dedicated amateur
IAC-04- IAA.1.1.1.08	Maccone, C.	NASA gateways at L1 and L2 and the radio-quiet Moon farside imperative
IAC-04- IAA.1.1.1.09	DeBiase, R.L.	Concept for very large space based radio telescopes for SETI
IAC-04- IAA.1.1.1.10	Simmons, W.	Quantum optical cryptography and SETI

IAC-04- IAA.1.1.1.11	Marino, L.	The evolutionary neurobiology of SETI
IAC-04- IAA.1.1.2.01	Almar, I.	Similarities and differences in communicating different kinds of dramatic cosmic discoveries
IAC-04- IAA.1.1.2.02	Race, M.S.	Communicating about the discovery of extraterrestrial life: different searches, different issues
IAC-04- IAA.1.1.2.03	Rummel, J.D.; Race, M.S.	Got life? hours of boredom followed by moments of sheer terror (and that's just with the press)
IAC-04- IAA.1.1.2.04	Tough, A.	Public communication in close-up contact
IAC-04- IAA.1.1.2.05	Langston, M.C.	An exploration of the "ET hacker" concept
IAC-04- IAA.1.1.2.06	Shostak, S.	Limits on interstellar messages
IAC-04- IAA.1.1.2.07	Ollengren, A.	Large-size message construction for ETI non-deterministic typing and symbolic computation in lincos
IAC-04- IAA.1.1.2.08	Dutil, Y.	Social choice and equity theory: seeking the common good as a common ground
IAC-04- IAA.1.1.2.09	Vakoch, D.A.	Narrative approaches to encoding altruism in interstellar messages
IAC-04- IAA.1.1.2.10	Arnould, J.; Laidet, L.	Prepared to manage extraterrestrial information or an extraterrestrial event.
IAC-04- IAA.1.1.2.11	Musso, P.	Philosophical and religious implications of extraterrestrial life

2005 – Fukuoka, Japan

The Search for Extraterrestrial Intelligence (SETI) - The Next Steps

fujishit	Fujishita, M.	SETI activities at kyushu tokai university
IAC-05-A4.1.02	Vakosh, D.A.	Advantages of active SETI
IAC-05-A4.1.03	Shuch, H.P.; Almar, I.	The San Marino scale for transmissions from Earth to ET
IAC-05-A4.1.04	DeBiase, R.L.	Effects of collisions upon a partial Dyson sphere
IAC-05-A4.1.07	Shostak, S.	Short-pulse SETI
IAC-05-A4.1.09	Walton, L.	Definition of a SETI search
IAC-05-A4.1.10	Maccone, C.	The ITASEL project (Italian search for extraterrestrial life)
IAC-05-A4.1.11	Rummel, J.D.	On the wings of Copernicus: further implications of discovering life in the solar system?
IAC-05-A4.2.01	Burgess, L.	The equant node of oblivion: the eighth major aspect of the quiet axis, a nearly 40-year cosmic artistic/poetic construction
IAC-05-A4.2.03	Denning, K.	“I” on earth
IAC-05-A4.2.07	Oliver, C.	Astrobiology: a pathway towards adult scientific literacy?
IAC-05-A4.2.09	Shuch, H.P.	Testing a claim of extraterrestrial technology
IAC-05-A4.2.10	Elliott, J.	A post-detection decipherment matrix
IAC-05-A4.2.11	Maccone, C.	Past and future of astronomy and SETI cast in maths

2006 – Valencia, Spain

The Search for Extraterrestrial Intelligence (SETI) – The Next Steps

IAC-06-A4.1.01	Shuch, H.P.; Almar, i.	Updating the San Marino scale
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IAC-06-A4.1.02	Ollengren, A.	Large-size message construction for ETI: aristotelian syllogisms
IAC-06-A4.1.03	Vakoch, D.A.	The evolutionary epic as an integrative theme for interstellar message composition
IAC-06-A4.1.04	Shostak, S.; Tarter, J.	Speeding up SETI searches by hundreds of times: the allen telescope array
IAC-06-A4.1.05	Werthimer, D.	Six Berkeley SETI programs: SETI@home II, Serendip V, astropulse, spock, sevendip and dyson
IAC-06-A4.1.06	von Korff, J.; Werthimer, D.; Korpela, E.	astropulse: a SETI radio sky survey on microsecond time scales
IAC-06-A4.1.07	Cosmovici, C.; Montebugnoli, S.; Maccone, C.; Monari, J.	The ITASEL project (Italian search for extraterrestrial life)
IAC-06-A4.1.08	Montebugnoli, S.; Zoni, J.; Monari, J.; Maccone, C.	The ITASEL/SETI-Italia new programmable spectrum analyser
IAC-06-A4.1.09	Cecchi, M.; Monari, J.	SETI@grid: exploiting computational grids to boost SETI data analysis
IAC-06-A4.1.10	Mead, C.; Howard, A.; Sreetharan, P.	Challenges in the first all-sky optical SETI
IAC-06-A4.1.11	Howard, A.; Horowitz, P.; Mead, C.	Initial results from harvard all-sky optical SETI
IAC-06-A4.1.12	Carrigan, R.	Challenges of “cosmic archaeology” searches for ETI
IAC-06-A4.1.13	Maccone, C.	SETI, extrasolar planets search and interstellar flight: when are they going to merge?
IAC-06-A4.2.01	Dick, S.	The postbiological universe
IAC-06-A4.2.02	Denning, K.	Ten thousand revolutions: conjectures about civilizations
IAC-06-A4.2.03	Tough, A.	Rethinking ETI

IAC-06-A4.2.04	Dutil, Y.	Sustainability: a tedious path to a galactic colonisation!
IAC-06-A4.2.05	Musso, P.	What the Fermi paradox tells us about the dangers of active SETI
IAC-06-A4.2.06	Elliott, J.	A semantic 'engine' for universal translation
IAC-06-A4.2.07	Vakoch, D.A.	Describing the probabilistic nature of human behavior in interstellar messages
IAC-06-A4.2.08	Norris, R.P.	Gamma-ray bursters and the emergence of life
IAC-06-A4.2.09	Jukola, P.	Search for intelligence
IAC-06-A4.2.10	Lee, R.J.	Rules for first contact: legal and policy issues arising from establishing and maintaining communications with extraterrestrials
IAC-06-A4.2.11	Woolf, S.	Other worlds, other gods

2007 – Hyderabad, India

The Search for Extraterrestrial Intelligence (SETI) – The Next Steps

IAC-07-A4.1.01	Swarup, G.	Prospects of SETI with the GMRT
IAC-07-A4.1.02	Shostak, S.; Tarter, J.	A galactic center SETI search using the allen telescope array
IAC-07-A4.1.03	Schilliro, F.; Schilliro, S.; Maccone, C.	Spectral line measurements in exceptionally low SNR by the KLT
IAC-07-A4.1.04	Vakoch, D.	Bernard M. Oliver's analysis of the role of active SETI strategies in a diversified approach to interstellar communication
IAC-07-A4.1.05	Ockels, W.	Is time a creation of life in reaction to gravity? This hypothesis suggests new ways for looking at extraterrestrial life
IAC-07-A4.1.06	DeBiase, R.L.	Constraints and cost / benefits of thin film Dyson spheres

IAC-07-A4.1.07	Gurevich, I.	About restrictions on volume of the information in the universe
IAC-07-A4.2.01	Denning, K.	Being technological
IAC-07-A4.2.02	Zaitzev, A.	Sending and searching for interstellar messages
IAC-07-A4.2.03	Vakoch, D.	Humankind's planetary ecological crisis as a central theme for interstellar message composition
IAC-07-A4.2.04	Shuch, H.P.; Almar, I.	Quantifying past transmissions using the San Marino scale
IAC-07-A4.2.05	Maccone, C.	Protected antipode circle on the farside of the moon
IAC-07-A4.2.06	Musso, P.	The number of ET civilizations and the "reverse SETI" argument

2008 – Glasgow, United Kingdom

The Search for Extraterrestrial Intelligence (SETI) – The Next Steps

IAC-08.A4.1.1	Shuch, H.P.	Introduction to SETI science and technology
IAC-08.A4.1.2	Welch, W.J.	The allen telescope array: the first widefield, panchromatic, snapshot radio camera for radio astronomy and SETI
IAC-08.A4.1.3	Tarter, J.	The first SETI observations with the allen telescope array
IAC-08.A4.1.4	Maccone, C.	The statistical Drake equation
IAC-08.A4.1.5	Tewari, B.	Update on controversial view of terrestrial and extraterrestrial origins of life
IAC-08.A4.1.6	Tabeshian, M.; Molaverdikhani	Mapping the probability of microlensing detection of extra-solar planets

IAC-08.A4.1.7	Carrigan, R.	Extended IRAS-based whole-sky upper limit on dyson spheres and the implication for future Dyson sphere searches
IAC-08.A4.1.8	Shostak, S.	Efficiency in SETI
IAC-08.A4.1.9	Montebugnoli, S.; Cosmivici, C.; Monari, J.	The next steps in SETI-Italia science and technology
IAC-08.A4.2.1	Vakoch, D.A.	Introduction to the interdisciplinary aspects of SETI
IAC-08.A4.2.2	Almar, I.	SETI terminology: do we interpret SETI terms correctly?
IAC-08.A4.2.3	Denning, K.	Unpacking the great transmission debate
IAC-08.A4.2.4	Shuch, H.P.; Riggs, J.	Correcting for interdependence of terms in the San Marino scale
IAC-08.A4.2.5	Elliott, J.	A post-detection decipherment strategy
IAC-08.A4.2.6	Harrison, A.	Planning for contact: fantasy documents or guidelines for action?
IAC-08.A4.2.7	Arnould, J.	ETI: from imagination to reality
IAC-08.A4.2.8	Shuch, H.P.	Aliens among us: learning disability as an analog for extraterrestrial intelligence
IAC-08.A4.2.9	Musso P.	Nearby extraterrestrial communicating civilizations and the “reverse SETI” argument
IAC-08.A4.2.10	Ollengren, A.	Large-size message construction for eti recursivity in lingua cosmica
IAC-08.A4.2.11	Vakoch, D.	What does it mean to be human?: reflections on the portrayal of human nature in interstellar messages

2009 – Daejon, Republic of Korea

The Search for Extraterrestrial Intelligence (SETI) – The Next Steps

IAC-09.A4.1.1	Shuch, H.P.	Introduction to SETI science and technology
IAC-09.A4.1.2	Rhee, M.-H.; Kan-ya, Y.; Byun, Y.I.	The SETI programs in Korea: progress report
IAC-09.A4.1.3	Yukitoshi, K.-y.; Yi, H.; Yoon, J.W.	Detection of SETI signals from vlbi raw data
IAC-09.A4.1.4	Howard, A.	Spectroscopic optical SETI at lick observatory
IAC-09.A4.1.5	Pluchino, S.; Montebugnoli, S.	Fast digital real time processing systems for SETI and radio science: S/C signal detection and tracking.
IAC-09.A4.1.6	Vakoch, D.	Testing the zoo hypothesis through active SETI: a strategy infrastructure for sustaining SETI across generations and
IAC-09.A4.1.7	Maccone, C.	SETI and seh (statistical equation for habitables)
IAC-09.A4.1.8	Shuch, H.P.	The day the Earth stood out
IAC-09.A4.1.9	Montebugnoli, S.	Fast digital real time processing systems for SETI and radio science: a survey of the Italian back ends
IAC-09.A4.1.10	Molaverdikhani, K.	Extrasolar planets detection fractal map
IAC-09.A4.2.1	Gardner, J.	How cosmological models should guide SETI search strategies
IAC-09.A4.2.2	Shostak, S.	What et will look like and why we should care
IAC-09.A4.2.3	Ollengren, A.	On the concrete signature of lincos
IAC-09.A4.2.4	Vakoch, D.	Communicating multiple theories of human psychology in interstellar messages
IAC-09.A4.2.5	Traphagan, J.	Can ritual represent a framework for communication with ET?
IAC-09.A4.2.6	Musso, P.	Nearby extraterrestrial communicating civilizations and the “reverse SETI” argument

IAC-09.A4.2.7	Shuch, H.P.	Project argus progress report: T plus 13 years and holding
IAC-09.A4.2.8	Maccone, C.	Relativity, SETI, and knowledge diffusion across the galaxy

2010 – Prague, Czech Republic

The Search for Extraterrestrial Intelligence (SETI) – The Next Steps

IAC-10.A4.1.1	Shuch, H.P.	SETI past, present, and future: 50 years in 15 minutes
IAC-10.A4.1.2	Shostak, S.; Harp, G.	A SETI search in the anti-solar direction using the allen telescope array
IAC-10.A4.1.3	Siemion, A.; Werthimer, D.; Korpela, E.; Howard, A.; Cobb, J.	Instrumentation and methods for the search for extra-terrestrial intelligence
IAC-10.A4.1.4	Montebugnoli, S.	SETI back ends made inexpensive
IAC-10.A4.1.5	Mead, C.	Technologies driving SETI
IAC-10.A4.1.6	Maccone, C.	A new belt beyond Kuiper's: a belt of focal spheres between 550 and 17,000 au for SETI and science
IAC-10.A4.1.7	Trimberger, S.	A multilevel model of interstellar communication
IAC-10.A4.1.8	Ollengren, A.	Large-size message construction for ETI-interpretation of processes in lingua cosmica
IAC-10.A4.1.9	Matloff, G.L.	Giant/red-dwarf binaries: new SETI targets and implications for interstellar migration
IAC-10.A4.1.10	Herzing, D.	Signatures of universal communication: rhythm, synchrony and temporal patterns of dolphin communication as a model
IAC-10.A4.2.1	Davies, P.	Footprints of alien technology

IAC-10.A4.2.2	Denning, K.	The history of contact on Earth: data, myths, misconceptions
IAC-10.A4.2.3	Almar, I.	SETI and astrobiology: the rio scale and the london scale
IAC-10.A4.2.4	Elliott, J.; Baxter, S.	The disc quotient: a post detection strategy
IAC-10.A4.2.6	Vakoch, D.; Lower, T.; Niles, B.A.; Scanlin, J.E.	What should we say to extraterrestrial intelligence?: an analysis of responses to "Earth speaks"
IAC-10.A4.2.7	Pacher, T.	One kilo message and mosaic earth: education and outreach potential of interstellar artefact message composition projects
IAC-10.A4.2.8	Maccone, C.	Societal statistics by virtue of the statistical drake equation
IAC-10.A4.2.9	Burgess, L.	Projects for deep space and deep time communication
IAC-10.A4.2.10	Korbitz, A.	The limits of metalaw and the need for further elaboration
IAC-10,A4,2,5,x7167	Oliver, C.	Social networking: implications for post detection communications

2011 – Cape Town, South Africa

The Search for Extraterrestrial Intelligence (SETI) – The Next Steps

IAC-11,A4,1,1,x9737	Shuch, H.P.	Intoduction to SETI science and technology
IAC-11,A4,1,2,x9894	Dominik, M.	Exploration rather than speculation – assembling the puzzle of potential life beyond earth
IAC-11,A4,1,3,x11080	Montebugnoli, S.; Monari, J.; Bianchi, G.	New data acquisition and processing system for the SETI-Italia
IAC-11,A4,1,5,x10991	Elliott, J.	Signatures of machine intelligence

IAC- 11,A4,1,6,x9891	Ollengren, A.	Large-size message construction for etiological existence expressed in lingua cosmica
IAC- 11,A4,1,7,x9304	Maccone, C.	Extending SETI to nearby galaxies
IAC- 11,A4,2,1,x10143	Worden, P.	[no title]
IAC- 11,A4,2,2,x11996	Antonites, A.	Universals in the universe?
IAC- 11,A4,2,3,x10857	Elliott, J.; Ollengren, A.	On the concrete signature of lincos
IAC- 11,A4,2,4,x9951	Shostak, S.	Seeking intelligence far beyond our own
IAC- 11,A4,2,5,x12037	Vakoch, D.; Lower, T.; Niles, B.A.	La tierra habla (Earth speaks): an online Spanish language survey about interstellar communication
IAC- 11,A4,2,6,x9444	Atri, D.; DeMarines, J.; Haqq-Misra, J.	A protocol for messaging to extraterrestrials - launch of an educational and interactive website
IAC- 11,A4,2,7,x9708	Maccone, C.	A mathematical model for societal aspects of SETI
IAC- 11,A4,2,8,x11544	Reddy, A.; Goutham, P.R.	Influence of works of fiction on the perceptions of SETI

2012 – Naples, Italy

The Search for Extraterrestrial Intelligence (SETI) – The Next Steps

IAC- 12,A4,1,1,x13071	Shuch, H.P.	Introduction to SETI science and technology
IAC- 12,A4,1,2,x14361	Korpela, E.; Siemion, A.; Cobb, J.; Lebofky, M.; Werthimer, D.	SETI in Berkeley: what now? where next?

IAC- 12,A4,1,3,x13045	Siemion, A.; Cobb, J.; Cordes, J.; Demorest, P.	Progress in two radio SETI experiments: the search for extraterrestrial radio arecibo telescope observatory and SETI in the kepler field with the green bank emission from nearby developed intelligent populations (Serendip) at
IAC- 12,A4,1,4,x16280	Harp, G.	Recent observations and next steps for SETI programs at the SETI institute
IAC- 12,A4,1,5,x14106	Schilliro, F.; Pluchino, S.; Montebugnoli, S.; Cas- saro, P.	Targeted SETI activity in the uplink space- craft communication channels.
IAC- 12,A4,1,6,x15362	Pluchino, S.; Schilliro, F.; Montebugnoli, S.; Cas- saro, P.	An enhanced piggyback mode for SETI obser- vations
IAC- 12,A4,1,7,x15650	Schilliro, F.; Maccone, C.; Pluchino, S.	Karhunen-Loeve transform on GPU comput- ing
IAC- 12,A4,1,8,x13108	Maccone, C.; Savio, G.; Villa, A., Crippa, R.	Italian optical SETI searches at FOAM13 ob- servatory
IAC- 12,A4,1,9,x13290	Carrigan, R.	Galactic-scale signatures for interstellar ar- chaeology and the search for life and intelli- gence in the universe.
IAC- 12,A4,1,10,x13015	Ollongren, A.	Large-size message construction for eti, vali- dation of lingua cosmica
IAC- 12,A4,1,11,x12810	Matloff, G.	Solar sailing to the sun's inner gravity focus: a design study
IAC- 12,A4,1,12,x15789	Dandamudi, S.; Khan, A.A.; Sarpal, S.; Sharma, S.	Integration of remote sensing for extraterres- trial geological studies
IAC- 12,A4,2,1,x13070	Shuch, H.A.	Fanning the flames of SETI passion
IAC- 12,A4,2,2,x13525	Shostak, S.	Sseeking intelligence far beyond our own
IAC- 12,A4,2,3,x13590	Elliott, J.	Signatures of machine intelligence

IAC- 12,A4,2,4,x13105	Maccone, C.	Evolution and history in a new "mathematical SETI" model
IAC- 12,A4,2,5,x15896	Vakoch, D.	Communicating existential accounts of being human in interstellar messages
IAC- 12,A4,2,6,x14214	de la Torre, G.G.	Neuropsychosocial model of contact. neuroscience, consciousness and the search for extraterrestrial intelligence.
IAC- 12,A4,2,7,x14555	Denning, K.	The 'intelligence' in SETI: historical concepts and new research
IAC- 12,A4,2,8,x15346	Herzing, D.	Profiling nonhuman intelligence: an exercise in developing unbiased tools for describing other types of intelligence on earth.
IAC- 12,A4,2,9,x14561	Denning, K.	The long view: sustaining multigenerational science

2013 – Beijing, China

Shuch, P.	Introduction to SETI Science and Technology
Narusawa, S.-Y.	Project Dorothy: Worldwide Joint SETI Observation (Pesek Lecture)
Derawa, C.S.	Stellar Genetics Using Stellar Sunspot Analogs
Maccone, A.	SETI as a Part of Big History
Shuch, P.	Analyzing the Stephens Mystery Signal (Billingham Lecture)
Arnould, J.	Earth Must Not Become the Jail of Humankind
Ganapathy, R.	Black Holes: Attractors for Intelligence?
Ollengran, A.	On the Universality of Lingua Cosmica Logica

Arun, P.V.	Web Based Semi-Automatic Framework for Astrobiological Research
Martinez, C.F.	SETI in the Light of Cosmic Convergent Evolution
Vakoch, D.	Music as an Analogue for Interstellar Message Composition
Milanov, A.	Need for Authority of Humankind in Space Law

2014 – Toronto, Canada

IAC-14,A4,1,1,x22517	Garrett, M.A.	SETI, big data and the next generation of radio telescopes
IAC-14,A4,1,2,x23276	Demorest, P.; Falcke, H.; Garrett, M.; Korpela, E.; Maddalena, R.; Werthimer, D.	Radio searches for extraterrestrial intelligence as facility observing programs
IAC-14,A4,1,3,x25350	Shivvers, I.; Siemion, A.; Werthimer, D.	A 1.1 to 1.9 ghz SETI survey of the kepler field: a raster scan search for narrow-band emission
IAC-14,A4,1,4,x26669	Rummel, J.D.	A place for SETI research and observations in the NASA astrobiology roadmap
IAC-14,A4,1,5,x26543	Montebugnoli, S.	A smart high resolution spectrometer for low cost SETI piggy back activity mode
IAC-14,A4,1,6,x20613	Dumas, S.	The Karhunen-Loeve transform, digital signal analysis and the information theory
IAC-14,A4,1,7,x23822	Xin, F.; Su, H.	Terahertz imaging system for SETI and the exploration of the beginning of the universe
IAC-14,A4,1,8,x24102	Pearson, J.	Exoplanet discoveries and the fermi paradox
IAC-14,A4,1,9,x27030	Trimberger, S.	addressing societal concerns in active SETI

IAC- 14,A4,2,1,x20653	Shuch, H.P.; Lomberg, J.	The new horizons message initiative: SETI's new horizon
IAC- 14,A4,2,2,x21587	Jones, M.	Cryptosociology and extraterrestrial civilizations
IAC- 14,A4,2,3,x22064	Maccone, C.	Statistical Seager equation for exoplanet and SETI searches
IAC- 14,A4,2,4,x26420	DeVito, C.	SETI: a time to consolidate
IAC- 14,A4,2,5,x23542	Enestam, S.; Long, K.; Welch, C.	Advanced transportation systems and their relation to unexplained signals on Earth
IAC- 14,A4,2,6,x21941	DeVito, C.	A possible link between extra-terrestrial societies
IAC- 14,A4,2,7,x21749	Herzing, D.; Walther- Antonio, M.	Nonhuman communication signals and decoding techniques: implications for astrobiology
IAC- 14,A4,2,8,x27069	Jukola, P.	Act - interactive public outreach strategies
IAC- 14,A4,2,9,x20921	Ollongren, A.	On modalities in lingua cosmica logica
IAC- 14,A4,P,1,x26402	Das, S.	Primary decoding of complex structural arrangements of diatom surface silicon communication system biomineralization indicates a probable extraterrestrial
IAC- 14,A4,P,2,x22065	Maccone, C.; Savio, G.; Villa, A.; Crippa, R.	Intended OSETI searches at FOAM13 observatory (italy)