Bibliographie zu Ambisonics
Zusammengestellt von Eero Aro (email - eero.aro@yle.fi)

BASICS, THEORY

Duane H. Cooper, Takeo Shiga
Discrete-matrix multichannel stereo, JAES, June 1972, Vol.20, No:5

Michael Gerzon: Periphony
With-height sound reproduction, JAES Jan/Feb. 1973, Vol.21, No:1

Michael Gerzon

Peter Fellgett

Michael Gerzon

Michael Gerzon

Michael Gerzon

Michael Gerzon

Michael Gerzon

Peter Craven, Michael Gerzon:
Coincident microphone simulation covering three dimensional space and yielding various directional outputs, US Patent 4,042,779. Aug. 16, 1977

Michael Gerzon

Michael Gerzon

Michael Gerzon

Adrian Hope
Surround sound patents, will the future of surround sound depend on patent bargaining? Wireless World, Jan 1979, p. 57-58.

Michael Gerzon

Michael Gerzon

Adrian Hope
Ambisonics - The theory and patents. Studio Sound, Oct 1979, p.36-44.

Michael Gerzon

Michael Gerzon
Michael Gerzon  

Dermot J. Furlong  

Michael Gerzon  
Hierarchical system of surround sound transmission for HDTV, AES Preprint 3339, Vienna 1992

Michael Gerzon  
Ambisonic decoders for HDTV, AES Preprint 3345, Vienna 1992

**DIRECTIONAL HEARING**


G. Theile, G. Plenge  
Localization of lateral phantom-sources. AES preprint B-5, 1976, Z*rich

Philip Vanderlyn  

Sakamoto, Gotoh, Kogure, Shimbo  

Moulton, Ferralli, Hebrock, Pezzo  
The localization of phantom images in an omnidirectional stereophonic loudspeaker system. AES preprint 2371, Nov. 1986.

Brian C.J. Moore  
An introduction to the psychology of hearing, Space perception. p.150-184.

Gary S. Kendall, William L. Martens  
Simulating the cues of spatial hearing in natural environments. ICMC 84 Proceedings, p.111-125.

Komiyama  

James M. Kates  

Denis Vaughan  

J.C. Bennett, K. Barker, F.O. Edeko  

Woram  

Don and Carolyn Davis  

Ewan A. Macpherson  

Gary C. Eckmeier  
An image model theory for stereophonic sound. AES preprint 2869, Oct. 1989
ARTICLES, EXPLANATIONS

Peter Fellgett

Michael Gerzon
Don't say quad - say psychoacoustics. New Scientist, 8th Dec. 1977

John Borwick, Larry Zide

P. Fellgett

Peter Fellgett

Richard Elen
Correction to the above article in Studio Sound, May 1981.

Peter Carbines

Richard Elen

Nigel Branwell

Richard Elen

Richard Elen

Ted Fletcher
Mono, stereo or ambisonic? Studio Sound, July 1984, p.82-84.

Barry Fox

John Borwick

Barry Fox
We haven't seen the back of ambisonics. Line Up (?) June 1987, p.60.

Rundherum, das ist nicht schwer... Das ambisonics surround sound system.
Studio Magazin, 1988???, p.18-23.

Richard Elen
Surround sound. Sound recording practise, 3rd ed. p.201 -204.

Brian C.J. Moore

Adrian Farmer

Trevor Butler
Surrounded! Hi-Fi News & Record review, February 1989, pp.31-33.

Audio & Design/Calrec

Roger Derry
Surrounded with secrecy, Ambisonics and Dolby Stereo. Line Up.
PRACTICAL ASPECTS

Mel Lambert

Chris Daubney

Ted de Bono

Peter Fellgett
Ambisonic epic. Comments on the above article in some following issue of Broadcast Sound.

Mike Skeet

Richard Elen

Julian Colbeck

Mike Skeet

Mike Skeet

David Moore
Surround sound for video, an ambisonic visual postcard. Recording Engineer/Producer, Dec. 1986, p.64-70.

John Whiting

Zenon Schoepe

Caroline Moss

SOUNDFIELD MICROPHONE

Bauer, Abbagnaro, Gravereaux, Marshall

Soundfield microphone
A new way to record. Elektor May 1978.

Benjamin B. Bauer

Kondensator-Quadromikrophon QM69.
Neumann GMBH Katalog 110.

Michael Gerzon

J. Howard Smith
Ken Farrar

Ken Farrar

J. Howard Smith

Richard Elen

Nigel Branwell

Hugh Ford

Peter Caribes

John Whiting

Calrec advertisement in Studio Sound
Jan. 1984, Soundfield MK IV.

D.S.Jagger
Recent developments and improvements in soundfield microphone technology. AES preprint No:2064, March 1984.

Ralph Denyer

Mike Skeet

Audio & Design/Calrec Inc.
4-colour brochure of MK IV. 1988?

Calrec Soundfield MK IV user manual.

Lowell Cross
Performance assessments of studio microphones. Additional stereo evaluations of 15 models at the University of Iowa School of music, Part two. Reprint from the Recording Engineer/Producer, Feb. 1985.

Lowell Cross

Stanley P. Lipsitz
Stereo microphone techniques... Are the purists wrong? JAES Vol 34, No:9, Sept. 1986, p.716-744.

David Hastilow

Calrec advertisement in Studio Sound 1989?
The Soundfield interview. Peter Waterman interviewed.

AES Convention News, Hamburg 1989
AMS/Calrec introduce M/S stereo mic. (ST250)

Tim Frost
New mics at APRS '89. Pro Sound News 1989?

Woram
Sound recording handbook: The Soundfield microphone

John Steane
A page from Schoeps catalogue

figure-8 capsule MK8 used in the Nimbus soundfield.

A Nimbus Ad from Gramophone

How could we possibly design an ordinary microphone?

Nimbus composite mic uses B&K 4006.


An advertisement from Studio Sound

AMS 250 microphone

Studio Sound, May 1990

Microphones: AMS 250 stereo microphone

AMS: ST250 Stereo microphone.

User guide, 15 pages.

STUDIO EQUIPMENT

Audio & Design brochure of signal processing equipment.

New products


Product guide


Peter Carbines


Tom Gandy


Michael Gerzon


NRDC


David G. Malham


Dave Malham

Digitally programmable soundfield controller. Studio Sound, No:2, 198?, p.75.

AES Convention News, London 1987

Computer control of ambisonic sound- fields.

Audio & Design

Operating Instructions for the Ambisonics mastering package.

Surrey Electronics

Stereo and ambisonics coder MPX4

Spatial Sound Inc. SP-1 Spatial Sound Processor, leaflets, brochures

DECoders

P. Fellgett, M. Gerzon

From quadro to surround sound. (Basics and decoder schematic diagram) Elektor May 1977, p.19-25.
Michael Gerzon

Michael Gerzon

Michael Gerzon

Michael A. Gerzon
Design of ambisonic decoders for multispeaker surround sound. AES, Nov. 1977.

News

**MATRIXING**

Peter Fellgett
Directional information in reproduced sound, Wireless World, September 72, pp.413-417.

Peter Scheiber
360 degrees space in two channels. DB, Jan 1978, pp.29-31.

Edward T. Canby

B.B.Bauer

James V. White

**MATRIX-H**

D.J. Meares, P.A. Ratliff

BBC Engineering training department
Quadrphony - Matrix H data. Printed board wiring, Circuit diagram, Component assembly.

P.S. Gaskell, P.A. Ratliff
Quadrphony: Developments in Matrix H decoding. BBC Research Department, Engineering Division, Feb. 1977.

BBC Radio
A demonstration record of broadcast standard quadraphonic programme material recorded with the BBC Matrix H system. List of recordings.

BBC Engineering information department, Publicity section
Additional information on BBC/NRDC System HJ, System HJ tolerance zones.