

Biographies



Robert Adrian X, born Toronto 1935 Artist working in all media – interested in Telecommunications since 1978. TELECOMMUNICATIONS: 1979: INTERPLAY – Computer Communications Conference – 12 cities in Canada, Australia, USA, and Austria. Connected via the I. P. Sharp (IPSA) Computer Timesharing network. Organiser ... Bill Bartlett 1980: ARTISTS USE OF TELECOMMUNICATIONS – Slow-scan Television/Computer Communications Conference – 10 cities in Japan, Canada, USA and Austria connected via telephone and the IPSA network. Organisation ... Bill Bartlett for the San Francisco Museum of Modern Art and La Mammelle. TECHNIK UND GESELLSCHAFT – Slow-scan Television workshop (together with Bill Bartlett) in Lech am Arlberg. ARTBOX – Initiation of an Artists' private mailbox system/program in the IPSA computer timesharing network. Program by Gottfried Bach (IPSA) to a specification by Bartlett/Adrian X. KUNST/MICROKUNST/MACROKUNST – Computer Communications Conference/demonstration between Zagreb and Amsterdam and Vienna. Museum of Contemporary Art, Zagreb. Organisation ... Richard Kriesche. FAX – Telefacsimile exchange between Vienna (Blitz-Bar) and Amsterdam (Mazzo). Organised on the IPSA artbox program by Tom Klinkowstein. SURVEILLANCE – Television piece ... images from the central surveillance room of the Vienna Subway system were broadcast live on the 2nd Austrian National Television program (June 16, 1981). This was part of the 1981 Wiener Festwochen visual arts program.

Michaela Auinger, born on July 3, 1958, founding member of TANZTHEATER 46. First dance lessons in 1961, studied dance with Erika Gangl. Participation in seminars: José de Udaeta (Spanish), Eva Campianu (Historical).



Giorgio Battistelli, born in Albano Laziale (Rome) on April 25, 1953. Composer and percussionist. Graduated in percussion instruments and composition (Professor G. Bizzi) at the Conservatory of Music "A. Casella" in L'Aquila. Foundation member of the experimental group "Gruppo di Ricerca Musicale e Sperimentazione 'Edgar Varèse'". 1978 Concerts at the Academy of Arts of West Berlin as a member of the instrumental group "Beat 72" from Rome. 1979 studies of percussion with J. P. Drouet and G. Sylvestre at the Conservatory of Pantin (Paris). Many of his compositions have been written for instruments designed and made by himself. Some of his latest works are: "Hommage", "Il libro celibe", "Experimentum Mundi", "Erasmus", "Linzer Stahloper". He has been invited to many festivals of

contemporary music and has given concerts in France, Germany, Sweden, and Italy. For some years he has been engaged in studies of composition together with Sylvano Bussotti.



Serge Blenner, born April 23rd, 1955 in Mulhouse (France). Autodidact (keyboard) at the age of 14. Studies in harmony and composition at Mulhouse Conservatory of Music. Synthesizer and tape experiments in Munich. In Hamburg since 1978. "Live Electronic Music", concert in Hambourg LP's: "La Vogue" (Sky Records, 1980), "Magazine Frivole". 1981: His first computer-controlled LP will be produced by "Erdenklang".

Elisabeth Bogner, born on May 12, 1966, founding member of TANZTHEATER 46. Studied dancing with Erika Gangl for 12 years, 8 years of piano lessons (at the Musikschule), as a high school student took classes in modern, classic, historical, and Spanish dance and castanets. Solo in "danse macabre".



Hubert Bognermayr. "THE ELECTRONIC FORESTER", born in Linz, Austria on April 4, 1948. Piano lessons at the Bruckner Conservatory. Studied pedagogics. Since 1968 engaged in electronic music. 1969 Foundation of the group "Eela Craig". The "symphonic rock-electronics" developed by him and Zuschrader becomes the trademark of the group. More than 250 concerts with his group, many of them in opera houses and theatres. Production of three LP's with his manager and producer Ulrich RÜTZEL. 1978 First performance of "Missa Universalis" (electronic rock mass) at the International Bruckner Festival. 1979 Bognermayr leaves the group "Eela Craig". Initiator of the Electronic, Music and Video Art Symposium, Linz. Co-founder of the resulting Ars Electronica—1979/80 together with Ulrich Rützel and Dr. Hannes Leopoldseder he developed the program of Ars Electronica. 1980 Bognermayr founded the Music Computer Team and specialized on computer realization of sounds and compositions and digitalizing of natural sounds. In his house he installed the "Elektronisches Försterhaus—Studio für computerakustische Musik" (studio for computer-acoustic music). 1980/81 Easter Festival in Salzburg: He created a special computer bell-program for Herbert von Karajan's new production of "Parsifal". 1981 Composition and realization of the first Computer-Acoustic Sound Symphony ERDENKLANG. New terms like "MUSIC BY AUTHORS" and "COMPUTER-ACOUSTIC MUSIC" are coined. Live Computer

Premiere of the MISSA ELECTRONICA on TV (Austrian Broadcasting Corporation) on the occasion of the Austrian Artists' Sunday. IMPORTANT CONCERTS OF THE ARTIST'S CAREER: 1973 First performance "Dimensions between Pop and Classics" in Zurich (composed by Alfred Peschek). 1975 Vienna Festival. 1976 State Opera of Hamburg. 1977 Frankfurt Opera, National Theatre Perugia, Italy, open-air theatre Bukarest. 1978 First performance of "Missa Universalis" at the International Bruckner Festival in Linz, Berliner Philharmonie, Vienna Festival. 1980 Easter Festival in Salzburg. 1981 Easter Festival in Salzburg, TV Live Computer Premiere of "Missa Electronica".

Astrid Braun, born in Linz on June 17, 1966; with the TANZTHEATER 46 since 1982. Ballet lessons since early childhood, later rhythmic gymnastics and then lessons in modern dance with Erika Gangl.

Johann Brenner, born in Apatin (Jugoslavia) on March 24, 1939, master joiner, in charge of apprentice instruction, member of the Guild Council for Upper Austria, has a company for individual furniture-making in Haid-Ansfelden.



Prof. D. Christof W. Burckhardt (born in 1927) studied physics at the Swiss Federal Institute of Technology (ETH) in Zurich. Having graduated from the University of Berne, he was with the Batelle Institute in Geneva from 1955 to 1965, then at the University of Illinois/USA, and from 1966 to 1970 he was Managing Director of Test AG in Geneva. Since 1970 Prof. Burckhardt has been head of the Institute for Precision Technology at the Swiss Federal Institute of Technology in Lausanne with the emphasis on industrial robots, sensor technology, and medical technology.

Joel Chadabe, New-York-born, studies at Yale University, later on in Europe. Director of "Electronic Music Studio" at New York State University, New York, Albany. Composer for portable computer system. Publications with "Opus One", "CP2", "Lovely Music/Vital Records" and other labels. Writer for "Electronic Music Reviews", "Musique en Jeu", "Melos" and others.



Dr. Mike Cooley is an unusual combination of active trade unionist, academic and technologist. He was the lay member National President of Britain's largest union for engineers, scientists, and technologists in

1971/72, He is currently Senior Fellow in the Faculty of Technology at the Open University, Visiting Senior Research Fellow at Manchester University in the Business School, and Voluntary Director of the CAITS project at the North East London Polytechnic. He has held seminars and Guest Professorships in Australia, the United States and throughout Europe and his work has been published in over 20 languages. Dr. Cooley has been a senior Design Engineer in the Aerospace Industry for some 20 years, and is an internationally recognized authority on human centred computer systems. He was Joint Winner of the 1981 alternative Nobel Prize for his work on socially useful technology including human enhancing computer based equipment.



Alfred Dallinger, Federal Minister for Social Administration, born in 1926 1940 enters professional life, trained as a pharmacist 1946 active in the youth movement of the Trade Union of Employees in Private Enterprise 1948 starts his full-time work for the Trade Union: Secretary for Youth Matters of the Trade Union of Employees in Private Enterprise, functionary of the Austrian Trade Union Youth Organization 1955 leaves the Youth Organization to be nominated Managing Secretary of the Insurance Section 1966 Assistant General Manager and Secretary General of the Trade Union, Assistant Director of the Superannuation Fund of Employees 1968 - 1980 Director of the Superannuation Fund of Employees since 1974 Member of Parliament since 1974 Chairman and Managing Director of the Trade Union of Employees in Private Enterprise since 1975 Vice-President of the Association of Austrian Trade Unions since 1980 Federal Minister for Social Administration



Tom Darter. The Editor of US top-magazine "Keyboard Magazine" for electronic keyboard instruments, ranks among the leading keyboard players in the United States. He enjoyed training as (classical) concert-pianist and early turned to electronic keyboard instruments. He has specialized in computer-controlled synthesizers and live-performances of electronic music, as well as in the realization of computer-controlled synthesizer compositions.



Gerhard Dellmann, born 1954 in Berlin. Between 1974 and 1979 he published seven albums with "Satin Whale", since 1976 responsible for keyboards and electronical music at "FACHBLATT-Music Magazin", the leading special magazine in the German-speaking area. 1981 he publishes "Synthesizer—ein Handbuch für Musiker". Besides giving advices to his readers, his main task with "Fachblatt" is the discussion and critique of new keyboard-instruments of all kinds. In autumn 1982 he will publish a new album recorded with Dieter Roerberg, guitar.



Hans Deysenroth, born Jan. 29, 1937, studied Electrotechnique and Physics in Basel (Diploma). Working in industry as informatics expert. Jazz, rockjazz, freejazz musician.



Jean Pierre Dionnet, born in Paris in 1947, studies theology, law, literature, and journalism, after three years he interrupts his studies and turns to comic strips. In 1968 he writes historical and critical texts on the unappreciated heroes of the American comic strip. In 1969 he joins the staff of the journal "Pilote" and becomes a scenarist for comic strips. In 1973 Jean Pierre Dionnet becomes literary director of the department "comic strips" at "Nathan", in 1974 he is nominated chief editor of the "L'Echo des Savanes" and towards the end of the same year he creates the magazine "Metal Hurlant" together with Druillet and Moebius. Meanwhile, "Métal Hurlant" has become known the world over—there are American, Spanish, Dutch, Italian, German and other editions. "Métal Hurlant" is the first comic strip magazine that has been turned into a film. "Métal Hurlant" has now become a publishing house "Les Humanoïdes Associés", publishing almost 100 titles per year. In 1981, Jean Pierre Dionnet tries himself at a new line, he produces, authors and interprets together with Philippe Manoeuvre a TV rock-comics program entitled "The Impeccable". At present, he is writing the second sequence of the American film "Heavy Metal 2", a science fiction cartoon with music by Paul McCartney.



Dr. Herbert W. Franke, born in Vienna in 1927. Studied at the University of Vienna (physics, chemistry, psychology and philosophy), graduated with a doctors degree of philosophy. Technological research, five years employment in industry. Since 1957 Dr. Franke has been a free-lance writer (books and radio plays). Active interest in computer art. SHORT-STORIES: "The Green Comet", Goldmann ed., Munich 1960 "Heirs of Einstein", Suhrkamp ed., Frankfurt/Main 1972 "The Return of Zarathustra", Suhrkamp ed., Frankfurt/Main 1977 "Paradise 3000", Suhrkamp ed., Frankfurt/Main 1981 NOVELS: "The Mental Network", Goldmann ed., Munich 1961 "The Orchid Cage", Goldmann ed., Munich 1961 "Column of Glass", Goldmann ed., Munich 1962 "The Steel Desert", Goldmann ed., Munich 1962 "The Ivory Tower", Goldmann ed., Munich 1965 "Zone Zero", Kindler and Lichtenberg ed., Paperback, Munich 1970 "Ypsilon Minus", Suhrkamp ed., Frankfurt/Main 1976 "The Return of Zarathustra", Suhrkamp ed., Frankfurt/Main 1977 "Sirius Transit", Suhrkamp ad., Frankfurt/Main 1979 "School for Supermen", Suhrkamp ed., Frankfurt/ Main 1980 "Death of an Immortal", Suhrkamp ed., Frankfurt/ Main 1982 RADIO PLAYS: "No Trace of Life", Suhrkamp ed., Frankfurt/Main 1981 Translations in Great Britain, the USA, Japan, France, Italy, Jugoslavia, Poland, Denmark, the Netherlands, and Hungary.

Erika Gangl, born in Linz on October 19, 1939, dancer, choreographer, dance instructor, director of her LEHRANSTALT FÜR KONSTLERISCHEN TANZ UND TANZPÄDAGOGIK (School for Artistic Dance and Dance Instruction), main choreographer of the TANZTHEATER 46. The all-round training that Erika Gangl had in Vienna, Munich, and Spain, resulted in her very own modern dancing technique which manifested itself in many choreographies. Alfred Peschek who introduced her to avant-garde music becomes her favourite composer. She choreographed: 1969 Pieces for Piano (Schönberg), 1970 Piano Pieces (Cage), 1976 New Born Child (Bognermayr), 1980 Divertissement (Webern), 1980 Verklärte Nacht (Schönberg), 1980 Souvenir (Valdambrini), 1981 Cry (Bognermayr), 1981 Ballet à Entrées

(Historical), 1981 Pavane (Ravel), 1981 Kaiserwalzer (Strauß, Bolzano estate), 1981 Alborada del gracioso (Ravel), 1982 Danse macabre (Saint-Saens), 1982 Ionisation (Varèse), 1982 Carnival of Animals (Saint-Saens/Peschek).

Jutta Maria Grüneis, born on April 2, 1965, founding member of TANZTHEATER 46. Pupil of Erika Gangl since 1975. Solos: Pavane, "4617", Atman.

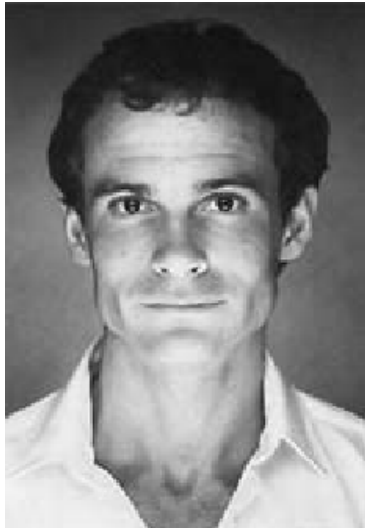


Walter Haupt, born in Munich in 1935, composer, producer, conductor, director of the experimental stage at the Bavarian State Opera, Munich, founded by him in 1969. Commissions for experimental music-theater in Germany Austria, Italy, Australia, Mexico, USA: "Sümtome" (scenic-optic-acoustic collage), "The Puppet" (scenic action for actor, piano quartet and inflatable sex-puppet), "Laser" (Laser-light-environment for a percussionist and a dancer for the opening of the Olympic Games in Munich), "Sensus" (in a projection dome), "Contemplation" (a light-sound-space-connex), "Dreams" (experiment with light, words, and movement in a variable mirror room), "Neuroses-Cavalier" (Opera Dipsa). OPEN-AIR PROJECTS: "Music for a Landscape" (14,000 in attendance), "Sound Cloud above Munich's Inner City" (50,000 in attendance), "Linz Sound Cloud" (100,000 in attendance). ANIMATION PROJECT: "Musica Creative"—Participation Concert on the Hauptplatz of Linz (Main City Square) Ballet commissioned by German Opera houses, compositions which he conducted himself include: "Rilike", "Apeiron", "Laser", "Moira", "Zofen", "Punkt-Kontrapunkt", "Encontros". TELEVISION PRODUCTIONS: "Laser", "Solo for a Piano", "Solo for a Body", "Neuroses-Cavalier". Lecture and concert tours through India, Australia, Italy, Spain, Turkey, Jugoslavia, Mexico. At present work on four commissioned productions: Television production for the Second German TV Program: "Im Bade Wannen" ("In the Bathtub": ballet), opera "Maras"—to be first performed at the City Theater, Kassel in June 1983, full-evening experimental ballet for the City Theater, Augsburg to be first performed in January 1983, Scenic Requiem "Ritual" for the Opera house of Rennes—to be first performed towards the end of 1983. PRIZES: 1971 Festival award 1974 Promotional Award for Music of the City of Munich, numerous press awards.



Benjamin Heidersberger, born September 4th, 1957, in Brunswick (Germany). Since 1973 classical guitar. Cooperation with P. Kohlrusch since 1978. In 1979 began studying physics in Brunswick and

founded HEAD RESONANCE Company. Since 1980 he works with all kinds of computers, microprocessors, developing different systems.



Ron Hays. SPECIAL PROJECTS: 1981 OMNI: THE NEW FRONTIER—Opening Titles and special effects for the national half-hour television series. THE MOODY BLUES CONCERT—"Gemini Dream", special effects for big screen projection. SWEDISH TELEVISION—ELECTRONIC MUSIC COMMISSION—Special commission from Swedish TV to visualize the music of Ragnar Grippe, famous electronic music artist in Sweden, for presentation as a network special. 1980-1981 BARRY MANILOW IN CONCERT—Big screen projection of special Music-Image effects. 1978-1980 ODYSSEY: A VIDEO MUSIC ALBUM—The industry's first electronic and computer animated visual music album, Odyssey combines visuals with classical, jazz fusion and contemporary dance music. The album is released through Twentieth Century-Fox /Magnetic Video, Pioneer Laserdisc, Japan and is distributed in other countries by independent distributors. 1980 THE OSMONDS IN CONCERT—A multimedia concert which Ron designed and which was videotaped for television using music images and visual effects. SOLID GOLD—Television music program, visualization of "Xanadu". CAN'T STOP THE MUSIC—"Certain" special effects for the Allan Carr film starring the Village People. THE PALACE—Special consultant for video visual effects and multimedia for a proposed entertainment center. 1979 NBC KROFFT SUPERSTAR HOUR—Special effects and video music sequences— 1979 Emmy, Best Graphic Design, starring the Bay City Rollers. THE CINEMA OF THE FUTURE—Paramount Studios financed a look at the future of film entertainment. Hays designed and directed a forty minute glimpse into the experience of a non-narrative visual-music experience using film and slide projections, lasers, special effects and advanced sound techniques. GREASE—"Certain" special effects for the motion picture. BUCK ROGERS—Television series, "certain" visual effects. 1977-1978 SGT. PEPPER'S LONELY HEARTS CLUB BAND—Special effects and visual music sequence with Alice Cooper for the Robert Stigwood film starring the Bee Gees. 1978 LOGAN'S RUN—Special effects for the CBSTV Series, eighteen one-hour programs with computer animated effects. KCET, AFTERPIECES—Series of seven short music image sequences for appearance following PBS programs. 1976-1977 DEMON SEED—Special effects and sequences for MGM Studios and the Herb Jaffe film. LILY TOMLIN SPECIAL—A variety of special effects for the PBS show. 1974 CBS CAMERA THREE—George Crumb's "Ancient Voices of Children" with mezzo soprano Jan DeGaetani, Merrill Brockway, director. Special visualizations of music with live performance. THE GLOUCESTERMEN—Forty-five minute documentary, visual music program on the Gloucester fishermen. MUSIC-IMAGE WORKSHOP—Twenty-three late evening broadcasts in Boston of "Video Light" performances by Ron Hays using the Paik-Abe Video Synthesizer. MULTIMEDIA: 1982 FUTUREVISION: THEATRE OF IMAGINATION—Orlando, Florida at the Great Southern Music Hall. Twenty-nine shows per week in an old Cinerama theatre. Ron's music-images on film are integrated with live lasers, multi-image slides and live dancers. Projections appear on an 85

foot wide screen. 1981 HUNT-WESSON COMPANY MULTIMEDIA BUSINESS MEETING SHOW—Director of a multi-image, motion picture film program with a cast of fifty starring Pat Boone. 1979 STAR WARS CONCERTS—Director of multimedia (projections, lasers, lights, etc.). ANAHEIM STADIUM: Concert with the Los Angeles Philharmonic, 25,000 in attendance. HOLLYWOOD BOWL: 36,000 in attendance for "The Great Music-Image and Laser Concert" with projection on screen with the Los Angeles Philharmonic. MONTREAL: 65,000 in attendance, integrating lasers, lights and fireworks in the largest multimedia concert in history. 1980-1981 Ron Hays' music-images provided for SACRAMENTO-SYMPHONY, 4,000 in attendance, 1982. TAMPA GULF COAST SYMPHONY, 60,000 in attendance, 1982. ROCHESTER PHILHARMONIC, two concerts, 4,000 in attendance at each, 1980. HONOLULU SYMPHONY, two concerts, 10,000 in attendance at each, 1980. 1979-1980 SIX FLAGS AMUSEMENT PARK SHOW Multimedia laser show produced with Laser Media of Los Angeles, The twenty-five minute telemetry controlled show appeared in six of the Six Flags Amusement Parks. The show combined music image with live lasers and slides. 1979 SYNESPERE—A MULTIMEDIA PLANETARIUM DOME SHOW—A six month run fourteen times a week in a 140 seat planetarium with 35 mm film projections of music-image on a 60 foot dome. PARAMOUNT STUDIOS WRAP PARTY -A 20x40 foot background video screen on stage for performances by The Doobie Brothers, The Pointer Sisters, Roger Vadouris and others. 1975 THE AMERICAN LUTHERAN CHURCH MULTIMEDIA PRESENTATION—Ron Hays, director, using six video projectors, music-images, dancers, indoor fireworks and lasers, held at the Louisiana Super Dome. 1975 THE TRANS—LUX CORPORATION, NEW YORK—Ron Hays, special consultant for new developments in multi media, holography and electronic computer animation. PROMOTIONAL VIDEOTAPES Ron Hays, producer, designer and director 1981 EARTH, WIND AND FIRE—"Let's Groove", now the highest selling single appearing on a long-playing album, co-directed with Michael Schultz. 1980 MANHATTAN TRANSFER—"Twilight Tone", NBC Big Show, Tony Sharmalee, television director. YELLOW MAGIC ORCHESTRA—Three songs: "Computer Games", "Rydeen" and "Technopolis" Alpha Records and A & M Records. GRANTS AND COMMISSIONS: 1974-1976 THE ROCKEFELLER FOUNDATION—To investigate and/or create ways and means of projecting music-images on planetarium domes or wide screens, using film and video projectors in entertainment or artistic contexts. 1976 NATIONAL ENDOWMENT FOR THE ARTS Individual artist fellowship.

1972-1974 NATIONAL ENDOWMENT FOR THE ARTS—To create a visually aesthetic approach for the usage of film and video techniques in the creation of visual music at WGBH Television, Boston. 1972-1974 THE ROCKEFELLER FOUNDATION—To create further work at WGBH Television, using music and images, creating the MUSIC-IMAGE WORKSHOP. 1975 CONDUCTOR LEONHARD BERNSTEIN—To visualize the PRELUDE AND LOVE DEATH from Tristan and Isolde by Richard Wagner for PBS broadcast. PRELUDE has won numerous awards and honors throughout the world. 1971 RCA SELECTAVISION—A visual-music film winning the Third International Festival of Short Films. TELEVISION PRODUCTION 1969-1972 Ron produced over seventy-five television programs for the CBS owned and operated station, WCAU-TV, Philadelphia, and PBS station WGBH Television, Boston, including talk-shows, public affairs, award-winning music and entertainment specials, documentary films and children's programs. AWARDS: 1980 WINNER, JVC TOKYO VIDEO FESTIVAL—One of twenty-five winners out of 7,80 entrants in the international video art competition. GOLDEN REEL OF MERIT, INTERNATIONAL TELEVISION ASSOCIATION—For Ron Hays' "Music-Image Odyssey". 1979 NATIONAL EMMY, Best Graphic Design—For the Krofft Superstar Hour with The Bay City Rollers. 1975 WINNER, THE VIRGIN ISLAND FILM FESTIVAL—For "Prelude". 1971 WINNER, THIRD INTERNATIONAL FESTIVAL OF SHORT FILMS 1970 BROADCAST MEDIA AWARD—For CBS Repertoire Workshop. 1968 SOLVER OSELLA, CINE GOLDEN EAGLE AWARD—For "Pull The House Down", CBS, Philadelphia. PRESENTATIONS AND EXHIBITIONS: Ron has made presentations and exhibitions in over 38 museums, galleries and universities including the following: 1982 UCLA'S INTERNATIONAL VISUAL MUSIC FESTIVAL—Jury Member and Panelist. 1981 THE NATIONAL VIDEO FESTIVAL—The Kennedy Center, Washington, D.C. INTERNATIONAL MUSIC CONFERENCE—International Seminar Center, Berlin, Germany. 1980-1981 Special Panelist,

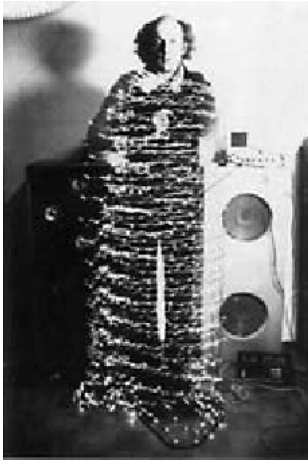
BILLBOARD'S VIDEO MUSIC CONFERENCE 1979-1981 DOCUMENTA, BERLIN, GERMANY—
 In Association with the Center For Advanced Visual Studies, Massachusetts Institute of Technology.
 1979-1981 INTERNATIONAL DISC AND TAPE ASSOCIATION—New York City. 1981 SKY ART
 CONFERENCE—Special guest and lecturer; multimedia and visual music 1977-1980 AMERICAN
 CULTURAL CENTER—Paris, France, special showings of Ron's work 1978 SAN FRANCISCO
 MUSEUM OF FINE ARTS- A group exhibition "Video Visionaries" 1976 MASSACHUSETTS
 INSTITUTE OF TECHNOLOGY'S CENTER FOR ADVANCED VISUAL STUDIES -"Art Transition ",
 special lecture 1975 BROADCAST OF "PRELUDE AND LOVE DEATH"—In the United States,
 Austria, Germany, France, Denmark, Italy and Turkey SPECIAL SHOWING OF "PRELUDE AND
 LOVE DEATH"—30th Anniversary of United Nations, The Waldorf-Astoria, New York City 1974
 STATE UNIVERSITY OF FLORIDA—Video Exhibitions, Lecture: "The Future of the Image" THE
 MUSEUM OF MODERN ART—New York City, "Open Circuits", Presentation of representative Music-
 Image selections as part of the First International Conference on Video 1973 CIRCUIT SHOW: A
 VIDEO; INVITATIONAL- Boston Museum of Fine Arts, Boston, Massachusetts EVERSON
 MUSEUM—Syracuse, New York CRANBOOK MUSEUM OF ART—Bloomfield Hills, Michigan
 HENRY GALLERY, UNIVERSITY OF WASHINGTON—Seattle, Washington THE NATIONAL
 CENTER FOR EXPERIMENTS IN TELEVISION—San Francisco, California, Viewing of tapes and
 discussion with Center artists ORSON WELLES VIDEO SCHOOL AND IMAGEWORKS CENTER
 FOR THE VISUAL ARTS—Periodic synthesizer demonstrations and explanations of video synthesis,
 WGBH-Boston THE KITCHEN, MERCER ARTS CENTER—New York City, Computer Arts Festival
 MEMORIAL ART GALLERY, UNIVERSITY OF ROCHESTER—Rochester, New York, Gallery
 Auditorium, Four-monitor presentation of tapes with question and answer period, two programs
 EVERSON MUSEUM OF ART—Syracuse, New York, One-Man Exhibition, "Music and
 VideoFeedbackVideolight" INSTITUTE OF CONTEMPORARY ART—Boston, Massachusetts, Part of
 "Exposure: Objects /Events" HARVARD VIDEO SHOW—Harvard University, Cambridge,
 Massachusetts UNIVERSITY OF ROCHESTER—Rochester, New York, three shows, four monitors in
 library gallery VANCOUVER VIDEO FESTIVAL—Vancouver, British Columbia MEDIA
 INTERVIEWS ON VIDEOTAPE: 1981 CBC, Montreal "VISUAL MUSIC AND THE ARTIST"—An
 interview with Ron and four other artists working with technological tools and music Videoplay, "RON
 HAYS FANTASTIC STAR WARS CONCERTS"—For appearance in a nationally-distributed video
 cassette magazine Videowest, "LIFE AND TIMES OF RON HAYS"—For appearance on nationally-
 syndicated cable music show. BBC, London, "COMPUTER ANIMATION: PAINTING WITH
 NUMBERS" Tokyo, Fuji Television, Documentary on Videoart PBS, Nova, "ARTISTS IN THE LAB"
 ABC, "EYEWITNESS LA" 1980 newsweek Television News Service NBC, "THE TODAY SHOW"
 PROFESSIONAL MEMBERSHIPS: SIGGRAPH: Special interest group in computer graphics
 International Disc and Tape Association Visual Music Alliance, Los Angeles RIAA—Recording Industry
 Association of America International Television Association PRINTED ARTICLES

Ron Hays is mentioned and featured in brief articles in over thirty magazines, periodicals and newspapers.
 Listed below are the major articles featuring Ron's work. 1982 OMNI MAGAZINE—Cover Story, May
 issue 1981 DEALERSCOPE—Cover Story, December issue, "Turning Software into Gold" 1980
 ADWEEK—Feature Story VIDEOGRAPHY MAGAZINE—Special effects article 1979 VIDEO
 MAGAZINE—Feature Story VIDEOGRAPHY MAGAZINE—Cover Story VIDEO MAGAZINE -
 Feature Story on Visual Music written by Ron Hays. 1978 ADVENTURER -Published by General
 Motors. Feature Story: Ron Hays Makes Magic With Computers and Lasers.

Sigrid Hinum, born in Linz on May 12, 1965, with the TANZTHEATER 46 since 1981. Pupil of Erika
 Gangl.

Robert Honeysucker. Baritone Education: Tougaloo College, Tougaloo, Mississippi, B.A. Miami
 University, Oxford, Chic, M.M. Boston University, Boston, Massachusetts MAJOR OPERA ROLES
 (partial list): with Artists International, Boston Lyric Opera, Cambridge Opera Company, Connecticut

Opera, Concert Opera Orchestra, Monadnock Music Festival, Opera Company Of Boston, Opera New England, Opera South, Providence Opera Theater, American Repertory Theatre. MAJOR CHORAL/SYMPHONIC PERFORMANCES (partial list): with Back Bay Chorale, Chorus Pro Musica, Concord Chorus, Concord Symphony, Eastern Connecticut Symphony, Paul Madore Chorale, Masterworks Chorale, Portland Symphony, Worcester Masterworks Chorale Sky work: role of "Daedalus", sky opera "Icarus", by Paul Earls, "Sky Art Conference '81 ", CAVS/MIT, Cambridge, Massachusetts, 1981; role of "Daedalus", sky opera "Icarus", by Paul Earls with Otto Piene, "Sky Art Conference '82"



Uwe Hüter, born 1940. Training as electronics-engineer, clarinetist. Since 1970 public concerts for electronics and drums (with Erich Schiffer). After a stay in Sweden he produced a complex synthesizer with spacesound control. Cooperation with "Cage's Musik-Zirkus", Bonn, and "Biotron".

James F. Ingalls: Lighting design Education: Yale School of Drama, University of Connecticut, University of North Carolina Current Positions/Credits (partial list): Lighting Designer for American Repertory Theater, Cambridge Massachusetts Lighting Design for "Geniuses", Douglas Fairbanks Theater, New York, New York Lighting Design for "Room Service", Williamstown Theater Festival Lighting Design with Penny Stegenga, "Metamorphosis in Miniature", Cubiculo Theater, New York, New York Resident Light Designer, Santa Fe Festival Theater Premier Season Sky work: Lighting Design, "Icarus", "Sky Art Conference '82"

Alois Janetschko, born in Linz on March 25, 1951. Studied arts in Linz, Vienna, Paris, Venice. Electronic and live productions since 1975.



Dieter Kassing, 1939 born in Kassel, Germany; 1960–1969 studies of applied physics, control engineering and aviation at the University of Technology in Darmstadt, systems technology at the

University of Technology in Berlin; 1969 graduation as Diplom-Ingenieur of Physics; 1970–1972 work for the German-American space project "Solar Probe HELIOS"; 1973–1977 scientific assistant at the Institute of Aviation and Space Aviation at the University of Technology, Berlin; 1977–1980 Research Fellow at the European Space Agency ESA; focusing on an analysis of the technological feasibility of the concept of so-called solar energy satellites; Since 1980 member of ESA at the research centre ESTEC (Netherlands) working on an analysis of the feasibility of future space programs for energy production, technical initial planning for European space projects; More than 25 scientific publications.



Ichiro Kato is professor in the Department of Mechanical Engineering, and Dean of the Graduate School of Science and Engineering at the Waseda University, Tokyo. Chairman of numerous international conferences, Prof. Kato is an authority on robotics of international reputation. He is honorary editor of "Mechanism and Machine Theory".



Peter Kohlrusch, born April 13th, 1955, in Wolfsburg. First graphical printing experiments in 1972. Familiar with many different philosophical systems, studied in Brunswick (Germany). Since 1978 cooperation with Benjamin Heidersberger. Experimental vocal music since 1979, foundation date of HEAD RESONANCE Company.



Prof. Dr. Werner Krütfeld, born in Kiel on September 27, 1928. Studies at the Academy of Music in Hamburg: composition and music education; at the University of Hamburg: musicology and German language and literature. Graduated with a Ph.D. in 1961. Since 1954 assistant professor of musical theory at the Academy of Music and Dramatic Arts in Hamburg, since 1968 professor of composition and musicology at the same institution, publications in the field of music didactics and new music. Since 1964 concerned with experimental and electronic music. Member of the German Council of Music (Deutscher Musikrat) as Chairman of AGMM. President of the Hamburg Council of Music.

Andrea Lang, born in Linz on December 17, 1959, with the TANZTHEATER 46 since 1981. Studied Yoga (England).



Bernhard Leitner, born in Austria in 1938, living and working in New York since 1968 1956-1963: studies of architecture at the Technical University, Vienna, intensive studies of music 1968: moved to New York, begin of Sound-Space work since 1972: Associate professor at New York University—head of the studies program "Urban Design Studies: Humanistic Perspectives" EXHIBITIONS: 1978: Galerie Zwirner, Köln (Cologne) 1979: Museum Haus Lange, Krefeld 1980 Kunsthalle Bremen 1981 Museum moderner Kunst, Palais Liechtenstein, Vienna PARTICIPATED IN EXHIBITIONS: 1979. P. S. 1, New York 1980: "Für Augen und Ohren", Berlin (For Eyes and Ears) 1980: "Ecouter par les yeux", Paris ("To hear with the eyes") 1981: "Soundings", New York 1982: "Documenta 82" Kassel



Lorin Maazel is one of the leading conductors of our time. In his childhood already he had occasionally conducted orchestras (Toscanini, for instance, had asked him to conduct his famous NBC Orchestra, and at the age of 13, he took the baton of the Cleveland Orchestra for the first time), but he himself calls December 24, 1953 the day of his debut in Italy, the actual beginning of his artistic career. Born to American parents in Paris in 1930, he enrolled at the University of Pittsburgh /USA at the age of 16. Besides music, he studied languages, mathematics, and philosophy; as a student he was violinist with the Pittsburgh Symphony Orchestra and its occasional conductor; he founded the "Fine Arts Quartet of Pittsburgh". On a Fulbright scholarship he could pursue his studies of music in Italy in 1951. Only a few years later, Lorin Maazel can be found as a conductor of the prominent European orchestras. In 1960, at the age of only 30, he is the first American and at the same time, the youngest conductor of the Bayreuth Festival. For a period of ten years, he was Managing Director of both the German Opera Berlin and the Berlin Radio-Symphony Orchestra. He was decorated with the "Großes Bundesverdienstkreuz" (Distinguished Service Cross of the Federal Republic of Germany) for his great contributions to German musical life. He has appeared as a guest conductor at numerous festivals and opera houses such as: Salzburg, Edinburgh, Luzern, the Metropolitan Opera, New York, La Scala of Milan the Paris Opera, and London's Covent Garden Opera. Every leading orchestra in the world is happy to have him as guest conductor any time. Besides being Music Director of the Cleveland Orchestra, Lorin Maazel held the position of a "Principal Guest Conductor" with the London Philharmonic Orchestra and the Orchestre National de France in Paris. The more than 150 gramophone records that have been awarded a number of prizes, and his many television appearances have made him one of the most popular personages of today's musical life. By September 1, 1982 Lorin Maazel will take up work as Managing Art Director of the Vienna State Opera.

Isabella Marian, born in Vienna on May 16, 1960, founding member of TANZTHEATER 46, Dance instruction since 1964, Spanish dance since 1973 (José de Udaeta, Barcelona), Flamenco (Mercedes y Albano, Madrid), Historical dance (Eva Campianu, Vienna).



Rudolf C. Meiner, born in St. Gallen, Switzerland, on June 5, 1935. Schools in and around Zurich. 1958 Graduation from the Swiss Federal Institute of Technology, Zurich, in building engineering. 1961 Engineer's degree in astronautics at Stanford University, California. Since 1962 with the European Space Agency, ESA; head of the Test Program Department of the Spacelab. At the age of twelve (1947) first lecture on space travel, in 1977 official candidate of ESA for the first Spacelab. Flight advocates industrialization of space for material and energy production. Wife from the Netherlands, two daughters.



Robert A. Moog, born in Flushing (USA) in 1934. Graduated in three different fields of physics, honorary doctorate for Fine Arts. Since 1954 development and production of electronic music instruments, developed the Moog-synthesizer, in 1964 completion of MOOG III, consisting of voltage-controlled components only. With the first fully capable synthesizer, Wendy Carlos realized her "Switched-on-Bach", in 1970 development of the famous mini-MOOG-synthesizer used by rock and popstars like the "Beatles", the "Rolling Stones", and jazz stars like Herbie Hancock and Joe Zawinul. Since 1977 Robert A. Moog has been in charge of the company BIG BRIAR. Since then he has developed new, electronic and computer controlled instruments. At the first performance of the first Computer-Acoustic Sound Symphony ERDENKLANG (Ars Electronica 82) Robert A. Moog will be soloist on his latest developments. Numerous awards, from "Billboard" and other national academies. "With the basic synthesizer developed by him and his numerous technological developments, Moog has considerably enriched contemporary music and made a major contribution towards the promotion of electronic music" (quoted from the "Lexikon der elektronischen Musik").



Sw. Gyan Nishabda, born in Munich in 1926, graduated from the Academy of Music in Munich (composition and singing), has worked as artist and composer for many years. Since 1962 television and music series like "Outsider" for ARID (German Broadcasting corp.). 1969 music films in Kenya, Ghana, Congo, and South Africa; he studied the musical traditions of these countries. 1970-1977 director of music with the film society of CAPE TOWN. 1977 gold medal for the best music for touristic films at the International Film Festival in Cannes. 1972 started to work with electronics, studies in the USA, Japan, and Australia. Since 1972 production of numerous LP's. Since 1978 head of the ELMULAB studio in Munich, experiments with digital control systems for synthesizer and music-computer. 1981 member of the Sannyas-movement, thorough studies of meditative music. As an expert on meditation, Sw. Gyan Nishabda has cooperated with the ERDENKLANG Label since the beginning of 1982 and will participate in the premiere of the First Computer-Acoustic Sound Symphony ERDENKLANG as a soloist on the music computer.



Alfred Peschek, born on May 14, 1929, composer, music teacher, musical director of TANZSTUDIO ERIKA GANGL-LKT and TANZTHEATER 46. Since 1969 cooperation with Erika Gangl, subsequent interest in ballet-music. He composed: 1969 A Kiré, 1969 poésies lyriques (graphic scores), 1978 Atman (Music to be Read, later on choreographed by Erika Gangl), 2 scenes for ballet: "Life is suspended on the hook of need", "...I write your name, liberty!", 1979 Triptychon, Play for a Dancer with Wind-bells, Recorder, Stick, and Violin. 1980 Synthesis, and many meditative works based on chamber-music. Reports on his works and career in several publications (as Riemann, Musiklexikon, Suppl.; Frank-Altman, Tonkünstlerlexkon).

Richard Pittman is the founder-conductor of The Boston Musica Viva, is Orchestra Conductor and the teacher of Orchestral Conducting at the New England Conservatory of Music. He has guest conducted the National Symphony, the London Sinfonietta, the Hessian Radio Symphony and the B.B.C. Welsh Symphony. He has also conducted performances with the Eric Hawkins Dance Company. Prior to his appointment at the new England Conservatory, Mr. Pittman was an instructor of conducting and opera at the Eastman School of Music. While there he was also the founder-director of the Eastman Musica Nova. He studies conducting with Laszlo Halasz, Sergiu Celibidache, and Pierre Boulez. Music Director, "Icarus", sky opera, "Sky Art Conference '82"

J. Buddy Podechtl, born in Brunnwald (Leonfelden) on October 10, 1949. Studied at the College of Arts and Industrial Design in Linz. Teacher of art and handicraft.



Klaus Prünster, born in Feldkirch /Vorarlberg in 1957. State exam for teaching instrumental music—guitar, state exam for teaching music, free-lance artist and composer for several years. Since 1972 devoted to electronic guitar-music. 1978—1979 guitarist and arranger of the electronic rock production "Control Company". Since 1979 member of the music computer team in the "Electronic Forester's House" in Linz, since then actively engaged with the computer-acoustic presentation of rock music. 1982: first solo-LP "Zweisamkeit (ist die schön're Zeit)" which was realized as pure computer-acoustic rock music with nature sounds. In the first performance of the First Computer-Acoustic Sound Symphony ERDENKLANG Klaus Prünster by means of a new computer system will control nature sounds with his electronic guitar.

Sieglinde Rothner, born in Linz on May 3, 1957, founding member of TANZTHEATER 46. Studied with Erika Gangl (modern dance) and José de Udaeta (Flamenco, castanets), teaches castanets at TANZSTUDIO ERIKA GANGL since 1980.

Reinhold Sahl, born in Haid-Ansfelden on November 27, 1961, pupil of Erika Gangl, with the TANZTHEATER 46 since 1982.

Ruth Schalko, born in Leonding on December 31, 1965, founding member of TANZTHEATER 46. Dance instruction since 1974.



Dr. Winfried Schenk (born in 1944) studied political science at the University of Vienna majoring in economic subjects and in 1974 he graduated with a thesis on "Models for the Diffusion of Technological Progress". From 1970 to 1981 he worked as an industrial consultant for the Austrian Institute of Economic Research in Vienna. In 1981 he was Visiting Fellow with the Science Policy Research Unit of the University of Sussex. Main areas of work: empirical industrial economy, diffusion of new technologies, employment effects of technological progress, economic aspects of microelectronics, topics of technology and innovation policy. Since autumn 1981 head of the Department of Economic Policy of the Österreichische Investitionskredit AG, Vienna.

Hartmut Schönherr, born in Staffort (Germany) on November 7, 1952. Joined the TANZTHEATER 46 in 1982. Influenced by the dancing of the Sufis (visited Asia in 1973), by the Grotowski-group (Göttingen 1975/76), by the performance ARGE Juennagrad (Carinthia 1976). Solo performances: 1978 Freiburg, 1980 Venice, 1980 Cologne, 1981 Siena, 1981 and 1982 Salzburg.



Dr.-Ing. Rolf Dieter Schraft (born in Stuttgart in 1942) studied mechanical engineering at the University of Stuttgart and graduated there in 1976 with a thesis on "Systematic Selection and Design of Programmable Manipulating Equipment". Since 1969 he has worked for the Institut für Produktionstechnik und Automatisierung (IPA -Institute for Production Technology and Automation) of

the Fraunhofer-Gesellschaft in Stuttgart and has been its Deputy Director since 1976. Dr. Schraft also lectures on automation technology at the Universities of Stuttgart and Dortmund.



Robert Schröder, born 1955, guitar lessons at the age of 11. First band at the age of 13. Interested in electronic production of sounds since 1970. 1974 studies in information technology. 1979 first LP "Harmonic Ascendant". 1980 second LP "Floating Music". 1981 third LP "Mosaïque". Author of the book "Sequencer—A Music-Computer?" (1980). Work on sound track music. Studies in computer technology. Digital-electronic compositions.



Shigeru Shinomiya graduated from the Faculty of Engineering of the Shizuoka University in 1945. At present he is Vice-president of the Honda Motor Comp., Ltd. and holds several important positions besides. He is currently Director of the International Association of Traffic and Safety Science, Director of the Honda Foundation, Director of the International Education Center, and member of the International Federation of Automatic Control (IFAC).

Peter Sommerfeld, born in Scheibbs (Lower Austria) on August 26, 1960. Joined the TANZTHEATER 46 in 1982. Has studied musicology, harpsicord, dancing since 1979. Founder of group for historical dance in Salzburg. Traces and presents historical dance.



Bruno Spoerri, born in Zurich in 1935, founded his own jazz orchestra in 1952, first prize at the Zurich Jazz Festival for saxophone and orchestra in 1954, a number of awards in the subsequent years, like prizes from the Jazz Festival in Dusseldorf and Zurich. Completed his studies of psychology in 1960, worked as a psychologist for some years, since 1970 free-lance composer, arranger and specialist of electronic music, composed and realized a number of soundtracks for movies and TV spots in his own electronics studio. 1979: musical "Robinson", lyrics by Cesar Keiser. Special interest in wind instruments and electronics, 1979: "Grand Prize" of Ars Electronica '79. Joined the music computer team "Elektronisches Försterhaus" (Linz), worked on computer-acoustic music with this team and will be soloist in the premiere of the First Computer-Acoustic Sound Symphony ERDENKLANG. Bruno Spoerri has initiated the Swiss Society into Computer-Acoustics. Has produced 11 LP's since 1970.



Ivan Tcherepnin, born in Paris in 1943. Early piano lessons and composition studies with his father Alexander. After graduation from Harvard he worked with Karlheinz Stockhausen and studied conducting under Pierre Boulez. Since 1972 Ass. Professor at Harvard University. His compositions were published by Schott (Mainz), M. P. Belaieff (Frankfurt) and C. F. Peters (New York), his music was recorded for Nonesuch and CRI.



Isao Tomita. The world famous greatest synthesist, Isao Tomita was born in Tokyo in 1932. He studied music under the composers Kishio Hirao and Kojiro Kubone while he was at the Keio University. He started his activity as a composer during his school days and wrote excellent music for motion pictures and television programs. But the work which spread his name throughout the world conclusively was his first album by synthesizers entitled "SNOWFLAKES ARE DANCING", a world of fairy tales from Debussy's compositions. This album was first released in the United States in 1974 and became a great sensation immediately. The synthesizer music at that time, represented by "Switched On Bach" had a narrow, mechanical and thin sound, and people were losing interest in it. On the other hand, Tomita's work, with its thickness in sounds, its careful constitution and coloring, its expression and deep depth, exceeded the usual synthesizer music overwhelmingly. The world was astonished at the broader expression of his work to which no orchestra could oppose. In 1975, the year following its release, this album was nominated for "Album of the Year" and in three other categories of the Grammy Awards. It was the first time that a Japanese had been nominated. In addition, it was selected as the "Best Classical Record of 1974" by N.A.R.M. (National Association of Record Merchandisers), the most important award for record sales in the United States. After that he made hits in succession and his status was firmly established: "PICTURES AT AN EXHIBITION" received N.A.R.M.'s the "Best Classical Record of 1975" and an award for the planning of the album at the Japanese Record Grand Prix in 1975. Then he released "FIREBIRD" also in 1975 and it scored another success. In addition to being supported by classical music fans, he became idolized among rock musicians. As a matter of fact, many rock musicians coming to Japan visited his studio. "PLANETS" released in 1977 became his biggest hit. This work composed by the modern British composer Gustav Holst was arranged for synthesizer by Tomita. It was a space drama on a magnificent scale that began with a blast sound of a rocket and gave listeners the feeling of searching a planet in a space ship. This album was ranked the top position in the United States classical record charts (Billboard and Cash Box magazines) for the second time, following "PICTURES AT AN EXHIBITION". This record should be called the masterpiece of the world-shocking space sounds of Tomita, and the special recording effect named "Biphonic Sound" enabled listeners to hear sounds even from outside of the speakers. It became a topic. After "PLANETS", two space music albums entitled "KOSMOS" (1978) and "BERMUDA TRIANGLE" (1978) were released, and these formed a trilogy of space sounds. With "BERMUDA TRIANGLE" Tomita experimented with the new technique of mixing the sound in not only an horizontal direction but also a vertical one. This album was nominated in the category of the "Best Engineered Record Classics" of the Grammy Award (the second time for him) in 1979. Then he released "DAPHNIS ET CHLOE" in 1979 after the space trilogy. This was the album that brushed up the illusional sounds and the brilliant beauty in color much more than those in his first album of Debussy. This album guided the listeners into a fantastic dream world. In this year, the readers of the American "Contemporary Keyboard" Magazine voted him the "Best Studio Synthesist" for his

distinguished services so far. That is a sketch of Isao Tomita's life in record business. His records are sold not only in Japan and the United States but also almost all over the world. All of them have made big hits and received many awards and/or prizes everywhere in the world. He has sold over one million LP's in Japan. The most remarkable thing is that he has created all the sounds in his symphonic synthesizer music by himself. This is apt to be overlooked. Besides the work for synthesizers, he composed music for grand television dramas, broadcast for a year, such as "Hanano Shogai" (1960), "Ten-to Chi-to" (1969), "Shin Heke Monogatan" (1972), and "Katsu Kaishu" (1974). He wrote the opening and closing music for television programs such as "Shin-Nihon Kilko", "Gendaino Eizp", and "Kaikyo". He also composed for the motion pictures "Senya Ichiya Monogatari", "Kga Kaikyo", and "Nosutradams-no Daiyogen". He received a Television Grand Prix in 1974 for his contribution to television culture.



Taizo Ueda graduated from the Osaka University of Commerce in 1953. From 1962 to 1966 he was Administrative Manager of Honda Motor Co. in Belgium. He has held positions as General Manager of the export, parts and components, car marketing, and public relations divisions, having served several years with each division respectively. He also edited "Business and Society in Japan", published by Praeger Publishing Co., New York. He is now the Managing Director of the Honda Foundation, Tokyo.

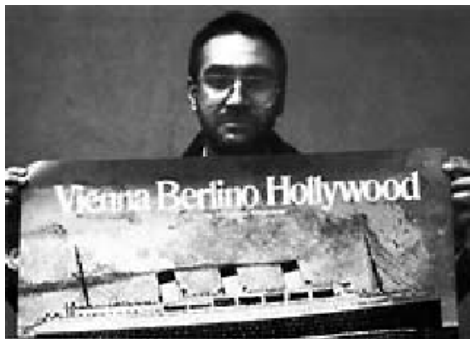


Prof. Dr. Eberhard Ulich, born in 1929. Studied psychology, diploma in 1954, and graduation in 1955, at the University of Munich. From 1955 to 1957, assistant professor at the Max-Planck-Institute for Labour Physiology in Dortmund. Until 1965 assistant professor and lecturer at the University of Munich. Until 1967, lecturer at the Technical University of Munich, until 1969, scientific counsellor and professor for psychology at the German Sports College in Cologne and honorary professor at the University of Heidelberg. Since 1972, professor for Labour and Industrial Psychology at the Swiss Federal Institute of Technology (ETH) in Zurich.

Margaret Ulmer: Pianist, Musical Director. Born: Ann Arbor, Michigan, 1947 Education: Wellesley College, Wellesley, Massachusetts, B.A., 1969 Brandeis University, Waltham, Massachusetts, M.F.A., 1978 Sky work (partial list): Pianist, "Flight of Daedalus", from sky opera "Icarus", by Paul Earls, "Sky

Art Conference '81", CAVS/MIT, Cambridge, Massachusetts 1981; Pianist, synthesizer, "Icarus", "Sky Art Conference '82"

Vienna Philharmonic Orchestra The Vienna Philharmonic Orchestra was founded on March 28, 1842. On that day, the "Orchestra Personnel of the Imperial Court Operahouse" gave its first symphonic concert, conducted by Otto Nicolai, assistant conductor at the Vienna Court Opera. This historic day, commemorated annually in the "Nicolai Concert of the Vienna Philharmonic Orchestra", set a new line for the musical life of Vienna and all of Europe. The Vienna Philharmonic has not swerved from the course it decided to take 140 years ago. In 1860, the so-called "Philharmonic Subscription Concerts" were introduced, conducted finally by Otto Dessoff. From 1870 up to now, these Philharmonic Subscription Concerts have been given in the Main "Golden" Hall of the Musikverein. In 1875, Hans Richter became Principal Conductor of the orchestra, he was succeeded by Gustav Mahler in 1898. Gustav Mahler was Director of the Operahouse up to 1908, and Artistic Director of the Vienna Philharmonic Orchestra till 1901, but he continued to conduct Philharmonic Subscription Concerts after that date. Further conductors of this period were Hellmesberger, Schuch, Mottl, Schalk, Muck, Nikisch and Richard Strauss. In 1908, Felix von Weingartner was elected Principal Conductor by the Vienna Philharmonic Orchestra. He held that office until 1927. In 1927, Wilhelm Furtwangler was asked to take over in the direction of this orchestra. Some famous contemporaries to direct the orchestra were Bruno Walter, Arturo Toscanini, Victor de Sabata and others. Since World War II, the Vienna Philharmonic Orchestra has worked with the world's greatest conductors: Clemens Krauss, Hans Knappertbusch, Karl Böhm, Herbert von Karajan, Dimitri Mitropoulos, George Szell, Otto Klemperer, Leonard Bernstein to name but a few.



Lorenzo Vitalone, born in 1945 1970 Graduation from the "Scuola D'Arte Piccolo Teatro" in Milan 1970/71 Worked in theatre management at the Piccolo Teatro, assistant stage manager with Virginio Puecher and Mina Mezzadri 1972/73 With the "Teatro del Sole" 1973/74 Commissioned by Teatro Stabile to give courses for teachers of stage direction in Milan and Turin 1974—1980 Courses for teachers of psychomotrics 1974 Direction and adaption of Oscar Wilde's "Salome" 1975 Direction of "Il campo" by Griselda Gambaro 1977 Direction of "Happy Days" by Samuel Beckett 1978/79/80 At the Milan Teatro Officina—production of audio-visual material on the drug problem 1980 Direction of "Schonberg Cabaret", spectacle of dance, music, and recitation at the Teatro di Porta Romana in Milan 1981 Direction of "Poesia Ballerina"—danced action with V. Magli 1981 Direction of "Experimentum Mundi"—opera di musica immaginistica by Giorgio Battistelli 1981 Artistic coordination of "L'orecchio nell'occhio"—a review of contemporary music 1982 Direction of "Futura"—a presentation of futurist poetry 1982 Direction of the theatrical part of "Il filo rosso"—review of contemporary music From 1976 organizer of cinema retrospectives for the municipality of Milan From 1980 engaged for the sphere of Cinema and Television at the Biennale of Venice, organized "Vienna—Berlin—Hollywood"—The Cinema of the Emigration, and the exhibitions "Sound—Image" and "Sound—Colour" Author of the novel "The Other Part of the Wood" (L'altra meta del legno) in six parts for radio presentation, inspired by C. Collodi's "Pinocchio", book for the TV production "The Labyrinth of the Dream or the Dream of the Labyrinth" Courses on animation-cinema at the elementary schools of Milan.

Peter Christian Vogel, born in Linz on June 18, 1949. Studied industrial management. 1975 establishment of VOGEL-AUDIOVISION in Linz, since then production of film, multi-vision, and video for industry and advertising.

Valerie Walters. Mezzo-soprano. Born: England Education: New England Conservatory of Music, VMLTOP Massachusetts, M.M.; Mannes College, New York, Operatic Training MAJOR OPERA ROLES (partial list): in Boston with: Associate Artists Opera Company, The New England Chamber Opera, The Cambridge Opera, Boston Lyric Opera, 1974, roles as "Secretary" in The Consul, "Amneris" in Aida; with Boston Lyric Opera: "Fricka" in Das Rheingold and Die Walkure, 1981/82 Season MAJOR CHORAL/SYMPHONIC SOLOS (partial list): Beethoven's Missa Solemnis and Ninth Symphony at Symphony Hall, Boston, Massachusetts; Handel's Messiah, Verdi's Requiem, Musica Viva's Stravinsky Festival in Jordan Hall, Boston, Massachusetts (current season) SKY WORK: Role of "Pasiphae", Sky Opera "Icarus", by Paul Earls with Otto Piene, "Sky Art Conference '82"



Prof. Dr. Ing. Hans-Jürgen Warnecke (born in Brunswick, Germany in 1934) studied mechanical engineering at the Technical University of Brunswick (doctorate in 1963). From 1959 to 1965 at the Institute for Machine Tools in Production Technology at the Technical University of Brunswick. From 1965 to 1970 Managing Director of Central Production Planning of the Rollei Works Franke & Heidecke, Brunswick. Since 1971, professor and Managing Director of the Institute of Industrial Production and Operation at Stuttgart University. Director of the Fraunhofer Institute of Production Technology and Automation, Stuttgart, as well as provisional manager of the newly founded Fraunhofer Institute for Work Economics and Organization. Member of the board of numerous national and international scientific societies and publisher of scientific publications in the field of production technology and automation.



Guido A. Wemans, born in Zurich on January 30, 1938, eight years primary school, four years Zurich School of Commerce, worked in a bank, stayed in France for some time. 1960-1982 Joined IBM, training as a computer specialist, various responsibilities, finally organization consulting executive. 1964-65 Part-time studies at the University of Basel, four semesters of astronomy, two semesters of experimental physics. Since 1964 member of the Astronomical Association at Basel, regular public demonstrations at

the University Observatory for eight years. Since 1966 regular radio broadcasts (radio DRS) on astronomy. Since 1968 regular contribution on the topics astronomy and space travel to the newspaper National Zeitung (now Basler Zeitung). Since 1968 courses on astronomy and space travel at various colleges of adult education. Since 1970 regular commentaries on all major space flights over radio DRS; various tours of main space centers. Since 1970 occasional appearances for Swiss Television primarily on the topic of computers. Since 1970 various publications on the topics astronomy, space travel, and computer, participation in German editions of American books on space travel. Since 1977 member of the Regional Council of Basel and vice-president of its energy commission. Since 1979 provider of information for the pilot test ViDEOTEX of PTT (Post, Telephone and Telegraph Service), member of SVIPA (Swiss Videotex Information Provider Association). Since 1982 editor of the magazine "vt" (journal for videotext). By Oct. 1, 1982 owner of "Wernans Consulting", consulting on automation and communication.

Michael Weisser, born in 1948 1975 (Sept. 6/7) environment "Sound & Space", large-screen slide-projection in the Cultural Center/Bonn accompanied by the sound of Tangerine Dream and Terry Riley. 1975 (Nov. 20—Dec. 4) Environment "New Views of an Old City". Nine endless projectors in the Lower Town Hall of Bremen. 1976 (May) "Artificial Garden", a concept of art. Award (together with F. Deventer /Kassel) for entry in the competition "Model projects" under the auspices of the senator for science and art in Bremen. 1980 Design of album covers with "Phantastic Photography": – Christian von Eschersheim, "Midsummernight's Dream", Sky – Mythos, "Quasar" (back cover), Sky—P'Cock, "The Prophet", IC – Robert Schröder, "Floating Music", IC – Klaus Schulze, "digit", Metronome 1981 Design of album covers with "Fantastic Photography": – Wahnfried, "Sound Wave", IC—Baffo Banfi "Hearth", IC – P'Cock, "Incognito", IC – Klaus Schulze, "Mindphaser", Metronome 1982 SYN-CODE-7, science fiction novel, Suhrkamp ed. 1982 "Ego Alter Ego", science fiction story, published in: Kopernikus 6, Moewing 1982 "Angel Bi", science fiction story, publ. in the June edition of Penthouse 1982 "Arguments in favour of the combination of arts and sciences", comments on the work of Herbert W. Franke, publ. in: Polaris 6, Suhrkamp ed. 1982 Cover design for paperbacks with "Phantastic Photography" for Suhrkamp ed.: – SYN-CODE-7, M. Weisser, 1982 – The Other Future (ed. by F. Rottensteiner) 1982 – The Error of the Great Magician, J. and G. Braun, 1982 – Crystal World, J. G. Ballard, 1982 – DIGIT, M. Weisser, 1983 1982 Membership with World-SF 1982 Video cassette "Project Cygnus-A" together with Robert Schröder Projects planned: 1983 DIGIT, science fiction novel, Suhrkamp ed. (January) 1983 GES-Project, science fiction story, in "Formalhaut", Goldmann ed. (June) 1983 The White Noise of Cygnus-A, science fiction story, Polaris 7



Michael Weisser, born 1948 Worked in a research laboratory of the chemical industry/Bonn. Studied experimental painting, design und photography/Köln. Studied history of art, sociology, communication sciences, and pedagogy/Marburg and Bonn. Art exhibitions. Artistic multivision-shows. Concerned himself with art in the public sphere (exhibition, catalogue, article). Edited various books on the topic "Aesthetics of Everyday Life—Documents on the History of Design". Occupied with visionary photography. Author of science fiction novels (Syn-Code 7 and DIGIT, Suhrkamp edition).



Dr. Martin Wichtl, born in Vienna in 1941. Studied chemistry and physics at Vienna University, and flute at the Vienna Conservatory of Music. Many publications in the field of cosmical chemistry. For the past two years teaching at the "Technologische Gewerbemuseum", Vienna. Participation in many groups (from folk to experimental jazz) and festivals (Ossiach, Jazz-Festival San Sebastian), various records. Produces novel musical instruments and devices, e.g. mouthpieces for flutes, electro-acoustical trumpet, tubular "Glockenspiel" etc.



Univ. Prof. Dipl. Ing. Dr. Josef W. Wohinz (born in 1943) completed his studies of industrial and mechanical engineering at the Technical University of Graz. From 1965 to 1973, he was scientific assistant at the Institute for Industrial Economics and Industrial Sociology (Univ.-Prof. Dipl.-Ing. Dr. Max Pietsch). During this time graduation (degree of Doctor of Technical Sciences) and habilitation for Industrial Engineering. From 1973 to 1979 he worked in industry, finally as department manager for Technical Efficiency and Organization with a multi-national electronics company in Vienna. Since 1979 he has been professor for Industrial Management and Innovation Research at the Technical University of Graz. Both his teaching and research work stress general questions of industrial management and successful realization of industrial innovation projects. His main concern is how to overcome the discrepancies between theoretically established findings and practice-oriented implementation.



Univ. Prof. Dipl. Ing. Dr. Franz Wojda (born in 1939) studied mechanical and industrial engineering at the Technical University of Vienna. In 1965, Wojda was employed with PHILIPS, then until 1973 was assistant professor at the Institute for Work Sciences of the Technical University of Vienna. He graduated and habilitated there, worked on various research projects and was a consultant for industry and commerce. He travelled extensively in Europe and the USA. Since 1974, managing director of AGIPLAN Planning Corporation Ltd., Vienna, responsible for planning and consulting of projects with regards to organizational and EDP questions, overall planning of industrial plants (production units, stores, offices), project management of complex projects. Since September 1975, head of the Institute for Work Sciences at the Technical University of Vienna, which was enlarged to the Institute for Work Sciences and Industrial Engineering in 1980. Wojda is also in charge of the interdisciplinary research program of the Funds for the Promotion of Scientific Research in Austria under the title of "Work Organization: Human Centred Working Environment".



Walter Zimmermann, born 1949 in Schwabach, Mittelfranken, Germany. 1968-70 pianist with the "Ars-Nova-Ensemble", Nurnberg. 1969 composition with Werner Heider (Essen). 1970-72 composition with Mauricio Kagel. 1975 trips to the U.S. for collecting material for his book "DESERT PLANTS" (published 1977). Studies of native music in Egypt, the Netherlands, a Native American Reserve in Montana (USA) and in countryside places in Germany. 1979 start of the project "Lokale Musik". 1982 presentation of "Lokale Musik" in various places all over Europe. Numerous Compositions, two books (1977 and 1981). Records: "Beginner's mind" (Beginner records 1977), "Lokale Musik" (Edition Theater am Turm 1972), "Freunde" (Schalkhäusser-Lieder).



Harald Zuschrader, born in Linz/Austria on March 5, 1944. Received guitar instruction at the Bruckner Conservatory. Studied pedagogics, since 1970 involved in electronic music. 1963—1969 member of

various rock bands 1969 Co-founder of the group "Eela Craig", as multi-instrumentalist responsible for the "symphonic rock electronics", the trademark of this group. More than 250 concerts, many of them in opera houses and theatres, produced four LP's with the group. 1978 First performance of the "Missa Universalis" (electronic rock mass) at the International Bruckner Festival. 1980 Leaves the group and becomes a member of the Music Computer Team, learns the computer language and programming of computer-acoustic music. 1981 Composition and realization of the "Computer-Acoustic Sound Symphony ERDENKLANG". 1982 Recording of LP ERDENKLANG on the Label ERDENKLANG, distributed by TELDEC. Special field of interest: developing rhythm programs by using digitalized natural percussion sound. IMPORTANT CONCERTS OF THE ARTIST'S CAREER 1973 First performance "Dimensions between Pop and Classics" in Zurich (composed by Alfred Peschek) 1975 Vienna Festival 1976 State Opera of Hamburg 1977 Frankfurt Opera, National Theatre Perugia, Italy, open-air theatre Bukarest. 1978 First performance of the "Missa Universalis" at the International Bruckner Festival in Linz, Berliner Philharmonie, Vienna Festival. 1979 Vienna Festival, Lugano. 1980 Theatre in Cologne.