Musikk, kommunikasjon og nettverk

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1 Innledning

En hovedmålsetning for NoTAM er å oppmuntre musikkfaglige institusjoner og musikkinteresserte enkeltpersoner til å benytte seg av tjenestene på det nasjonale og internasjonale datanettet. Vi har erfaring for at det kan være vanskelig å se behovet for dette før man har brukt systemet selv i noen tid. Da kan man til gjengjeld bli ganske desperat hvis man mister tilgangen til nettet igjen!

Vi tror at bruk av elektronisk post, elektroniske nyheter, informasjonssøking og generell "nett-surfing" vil ha minst like stor betydning for musikkmiljøene som de har vist seg å ha for andre forskningsmiljøer og etterhvert for almenheten.

Hensikten med dette lille heftet er å gi en introduksjon til nettverkstjenestene generelt og til tjenester for musikkinteresserte spesielt. Man må imidlertid være klar over at nettet er i voldsom vekst, og at heftet vil være foreldet allerede før det er skrevet!

2 Internet

Internet er en sekkebetegnelse for den største internasjonale sammenknytningen av datamaskiner. Dette nettet er opprinnelig opprettet for å lette kommunikasjonen mellom universiteter og andre forskningsinstitusjoner, og er i utgangspunktet et ikke-kommersielt prosjekt. Dette betyr at de fleste tjenestene på Internet er gratis, bortsett selvsagt fra kostnadene for selve telekommunikasjonen. Etterhvert er imidlertid Internet blitt mer og mer populær også blant "vanlige folk", og nettet har nå flere titalls millioner brukerkontoer over hele verden.

Alle datamaskiner som er direkte tilknyttet Internet har et eget navn. NoTAMs hoveddatamaskin heter således "notam.uio.no" (*uio* står for "Universitetet i Oslo" og *no* står for Norge). Våre mindre maskiner heter "arnold.notam.uio.no", "alban.notam.uio.no", "fartein.notam.uio.no" osv.

Alle Internet-brukere har en egen *adresse*, som består av et *brukernavn* og et *institusjonsnavn*, adskilt av en "krøll-alfa". Min adresse ("e-mail-adresse") er f.eks. "oyvind@notam.uio.no".

Datamaskinene rundt om på universiteter og høyskoler er (eller burde være) tilknyttet Internet via en høyhastighetslinje av et eller annet slag. Privatpersoner har derimot gjerne en Mac eller PC hjemme, uten eget maskinnavn på Internet. Slike brukere må ringe opp en vertsmaskin via modem, som så virker som en "portner" ut til nettet. NoTAM tilbyr gratis brukerkontoer på vår hovedmaskin for slike brukere.

3 Elektronisk post

Elektronisk post (e-mail) er vel den mest brukte nettverkstjenesten. E-mail kan sammenliknes med telefax, bortsett fra at det er billigere, lettere å holde rede på og uten alt papir-sølet. Dessuten er det en stor fordel at tekst og andre data er lesbare for datamaskinen for videre redigering, arkivering etc.

Hvis du sitter på en UNIX-maskin, har du antagelig tilgjengelig flere ulike programmer for å lese/sende post. Noen slike programmer er "mail", "xmail", "mm", enkelte utgaver av "Emacs", etc.

Hvis du sitter på en Macintosh eller en PC med modem, kan det være lurt å ha en "off-line-reader" som sparer tellerskritt ved at programmet er inne på vertsmaskinen bare i noen sekunder for å hente innkommet post. Vi distribuerer gratisprogrammet "Eudora" for Macintosh til dette formålet.

3.1 Postgrupper

En *postgruppe* er en mailing-liste for et spesielt emne, som man kan melde seg inn i. All post som kommer inn til denne listen vil bli sendt videre til deg, og brev som du sender til listen vil bli videresendt til alle medlemmene. Alle brukere på NoTAM er automatisk medlem av gruppen "brukere", og her sender NoTAM ut informasjon om hva som skjer. Våre brukere kan likeledes sende spørsmål og kommentarer ut til alle ved å sende post til "brukere@notam.uio.no".

Hvordan blir du medlem i en postgruppe? For å bli med i en gruppe av type LISTSERV, COMSERVE, MAILSERV, MAILBASE, NEWSERV eller SARASERV sender du en mail til "SU-adressen" som er oppgitt for gruppen. "Subject"-feltet skal være blankt, og innholdet i mailen MÅ være `SUBSCRIPE LISTNAME fornavn etternavn institusjon`.

For å bli med i en Internet-gruppe, sender du en mail til list-REQUEST@host, f.eks. PUDDINGRECIPES-REQUEST@pudding.uio.no. Dette vil bli lest av et menneske, så formatet er ikke så viktig.

Det finnes store mengder rare postgrupper, som ofte kan være vanskelige å finne fram til. Her er et lite utvalg (vi har ikke testet alle disse!):

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Section Compiler:  Kara Robinson (Bitnet) krobinso@kentvm
(Internet) krobinso@kentvm.kent.edu

LN: (e-conference name)
TI: (topic information)
SU: (subscription information)
ED: (edited? Yes or No)
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AR: (archived?  if Yes, frequency, private=subscribers only)
MO: (moderator, editor, listowner, manager, coordinator,etc.)
IA: ('official' institutional affiliation)
KE: (keywords)

0455
LN: 78-L@CORNELL.EDU
TI: 78-L is a discussion group devoted to music and
recordings of the pre-LP era. The group is open to
collectors and lovers of all kinds of music of this era,
such as early jazz and blues, big bands, show music,
vaudeville, classical, etc., as well as spoken word and
other historical recordings. We also welcome discussion of
recording history, discography, the collectors' market, and
vintage phonographs. The common element is that what we
listen to was recorded at (or near) 78 rpm.
SU: (Internet) LISTSERV@CORNELL.EDU
ED: No
AR:
MO: Doug Elliot (Internet) DE3@CORNELLC.CIT.CORNELL.EDU
IA:
KE: .78RPM Jazz Blues Music Big Band Music Show Tunes
Classical Music
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0456
LN: ALLMUSIC@AUVM
TI: Discusses all forms of music, in all its aspects, from
appreciation to performance.
SU: (Bitnet) LISTSERV@AUVM (Internet) LISTSERV@AUVM.AUVM.EDU
(Usenet) BIT.LISTSERV.ALLMUSIC
ED: No
AR: Yes, Weekly
MO: Mike Karolchik (Bitnet) MIKE@WVNVM (Internet)
U6183@WVNVM.WVNET.EDU
IA:
KE: Music Vocal Music Instrumental Music Popular Music
Classical Music
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0457
LN: BAGPIPE@CS.DARTMOUTH.EDU
TI: Any topic related to bagpipes, most generally defined as
any instrument where air is forced manually from a bellows
or bag through drones and/or over reeds. All manner of
Scottish, Irish, English, and other instruments are
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discussed.
SU: (Internet) BAGPIPE-REQUEST@CS.DARTMOUTH.EDU
ED: No
AR: Yes, available via anonymous ftp to CS.DARTMOUTH.EDU
MO: Wayne Cripps (Internet) BAGPIPE-REQUEST@CS.DARTMOUTH.EDU
IA:
KE: Bagpipes Instrumental Music Forced Air Instruments

0458
LN: BARBERSHOP@BIGD.CRAY.COM
TI: Discussion about barbershop harmony, quartets and choruses and the activities of organizations promoting the barbershop singing such as the S.P.E.B.S.Q.S.A., Sweet Adelines and Harmony, Inc.
SU: (Internet) BARBERSHOP-REQUEST@BIGD.CRAY.COM
ED: No
AR: No
MO: David Bowen (Internet) BARBERSHOP-REQUEST@BIGD.CRAY.COM
IA:
KE: Barbershop Quartets A Cappella Music Harmonizing

0459
LN: BGRASS-L@UKCC
TI: Discusses issues related to the International Bluegrass Music Association (IBMA) and blugrass and old-time music in general
SU: (Bitnet) LISTSERV@UKCC (Internet) LISTSERV@UKCC.UKY.EDU
ED: No
AR: Yes, Weekly
MO: Frank Godbey (Bitnet) UKA016@UKCC (Internet) UKA016@UKCC.UKY.EDU
IA:
KE: Bluegrass Music IBMA (International Bluegrass Music Association)

0460
LN: BLUES-L@BROWNVM
TI: Discussion of blues music and its performers, from Blind Blake and Charley Patton to Robert Cray and Stevie Ray Vaughn, as well as related topics people may think up.
SU: (Bitnet) LISTSERV@BROWNVM (Internet) LISTSERV@BROWNVM.BROWN.EDU
ED: No
AR: Yes, Weekly

MO: Jacob Haller (Bitnet) ST102315@BROWNVM (Internet)
ST102315@BROWNVM.BROWN.EDU
IA:
KE: Blues Music

0461
LN: BRASS@GEOMAG.GLY.FSU.EDU
TI: Forum for people interested in brass musical performance
and related topics, especially small musical ensembles of
all kinds.
SU: (Internet) BRASS-REQUEST@GEOMAG.GLY.FSU.EDU
ED: No
AR: Yes, available via anonymous ftp to GEOMAG.GLY.FSU.EDU
MO: Ted Zateslo (Internet) ZATESLO@GEOMAG.GLY.FSU.EDU
IA:
KE: Brass Instruments Instrumental Music Music Performance
Ensemble Music Wind Music

0462
LN: CLASSM-L@BROWNVM
TI: Classical Music E-conference
SU: (Bitnet) LISTSERV@BROWNVM (Internet)
LISTSERV@BROWNVM.BROWN.EDU
ED: No
AR: Yes, Weekly
MO: Catherine Yang (Bitnet) CYANG@BROWNVM (Internet)
CYANG@BROWNVM.BROWN.EDU
IA:
KE: Music Classical Music Music Research

0463
LN: CUNYMUS@CUNYVMS1
TI: CUNY Graduate School of Music Discussion. Provides
students with discussions of music on a scholarly level, a
forum for communication between CUNY music students and a
means of keeping informed of activities taking place in the
music programs. Though intended for students at the Graduate
Center, other students are encouraged to subscribe for the
purpose of seeking the views of the students of CUNY.
SU: (Bitnet) LISTSERV@CUNYVMS1 (Internet)
LISTSERV@CUNYVMS1.GC.CUNY.EDU
ED: No
AR: Yes
MO: Bob Kosovsky (Internet) KOS@CUNYVMS1.GC.CUNY.EDU Theresa

Muir (Internet) TFD@CUNYVMS1.GC.CUNY.EDU
IA:
KE: CUNY Graduate Students Music Scholarship

0464
LN: EARLYM-L@AEARN
TI: A forum for the exchange of news and views about
Medieval, Renaissance and Baroque music.
SU: (EARN) LISTSERV@AEARN (Usenet) REC.MUSIC.EARLY
ED: No
AR: Yes, Weekly
MO: Gerhard Gonter (EARN) GONTER@AWIWUW11 (Internet)
GONTER@OLYMP.WU-WIEN.AC.AT
IA:
KE: Medieval Music Music History Renaissance Music Baroque
Music

0465
LN: EMUSIC-L@AUVM
TI: EMUSIC is a complementary pair of e-conferences that
discuss electronic music. EMUSIC-D is the digest. EMUSIC-L
is the discussion.
SU: (Bitnet) LISTSERV@AUVM (Internet) LISTSERV@AUVM.AUVM.EDU
ED: EMUSIC-D: Yes EMUSIC-L: No
AR: Both: Yes, Weekly
MO: Eric Harnden (Bitnet) EHARNDEN@AUVM (Internet)
EHARNDEN@AUVM.AUVM.EDU - Joe McMahon (Internet)
XRJDM@TWINPEAKS.GSFC.NASA.GOV
IA:
KE: Electronic Music Instrumental Music Computers
Composition

0466
LN: FILMUS-L@IUBVM
TI: Discussion of film music, i.e. dramatic music for films
and television. Some possible topics are reviews of current
film scores and soundtrack albums, discussion of film
composers, film music history and theory, and requests for
information about film music.
SU: (Bitnet) LISTSERV@IUBVM (Internet)
LISTSERV@IUBVM.UCS.INDIANA.EDU
ED: No
AR: Yes, Monthly
MO: A. Ralph Papakhian (Bitnet) PAPAKHI@IUBVM - H. Steven

Wright (Bitnet) C60HSW1@NIU
IA:
KE: Film Scores Composers Television Scores Soundtracks

0467
LN: FOLK_MUSIC@NYSERNET.ORG
TI: FOLK_MUSIC pertains to New American Folk Music. List
traffic consists of tour schedules, reviews, album release
information and other information on artists like Shawn
Colvin, Mary-Chapin Carpenter and others.
SU: (Internet) LISTSERV@NYSERNET.ORG
ED: Yes
AR: Yes, available via anonymous ftp to nysernet.org cd
FOLK_MUSIC
MO: Alan Rowoth (Internet) ALANR@NYSERNET.ORG
IA:
KE: Folk Music Music News Music Reviews

0468
LN: FOLKTALK@WMVM1
TI: Traditional and Contemporary Folk Music.
SU: (Bitnet) LISTSERV@WMVM1 (Internet)
LISTSERV@WMVM1.CC.WM.EDU
ED: Yes
AR: Yes, Monthly, Private
MO: Scott Hammer (Bitnet) SCOTH@WMVM1 (Internet)
SHAMMER@LEO.VSLA.EDU
IA:
KE: Folk Music Traditional Music

0469
LN: GRIND@UNH.EDU
TI: Grindcore, Death Metal and Heavy Thrash Music. Digest
format.
SU: (Internet) GRIND-REQUEST@UNH.EDU
ED: Yes
AR: No
MO: Matt Jukins (Internet) MPJ@KEPLER.UNH.EDU
IA:
KE: Grindcore Music Death Metal Music Heavy Thrash Music

0470
LN: HARP-L@WKUVX1
TI: Discusses all forms and styles of Harmonica playing and

theory. All styles of music (and musicians) welcome.
SU: (Bitnet) LISTSERV@WKUVX1
ED: No
AR: Yes
MO: Chris Pierce (Bitnet) PIERCCM@WKUVX1 (Internet)
PIERCC@WKUVX1.WKU.EDU
IA:
KE: Harmonica Instrumental Music Music Performance

0471
LN: KLARINET@VCCSCENT
TI: Features news, information, research and teaching items
of interest, and other related information concerning
clarinet players, teachers, students, and enthusiasts.
Discussion includes topics such as repertoire, performances,
research, makers, etc.
SU: (Bitnet) LISTSERV@VCCSCENT
ED: No
AR: Yes, Monthly
MO: Jim Fay (Bitnet) NVFAYXJ@VCCSWEST - Cap Bromley (Bitnet)
NVBROMH@VCCSWEST
IA:
KE: Clarinet Music Performance Instrumental Music

0472
LN: LUTE@CS.DARTMOUTH.EDU
TI: Lute playing and performance.
SU: Contact the Moderator.
ED: No
AR: Yes, via anonymous FTP and Gopher
MO: Wayne Cripps (Internet) LUTE-INFO@CS.DARTMOUH.EDU
IA:
KE: String Music Instrumental Music Lutes

0473
LN: MED-AND-REN-MUSIC@MAILBASE.AC.UK
TI: Enables those engaged on research into any aspect of
Medieval and Renaissance Music to exchange information. This
includes questions of research, conference details and
reports, library information and any other useful material.
SU: (Internet) MAILBASE@MAILBASE.AC.UK
ED: No
AR: Yes, Monthly
MO: Dr. Isobel Preece (Internet) med-and-ren-music-

request@mailbase.ac.uk
IA:
KE: Medieval Music Renaissance Music Music Research

0474
LN: MUSIC-RESEARCH@PRG.OXFORD.AC.UK
TI: The Music-Research e-conference brings together
musicologists, music analysts, computer scientists, and
others working on applications of computers in music
research.
SU: MUSIC-RESEARCH-REQUEST@PRG.OXFORD.AC - US Redistributor:
(Internet) MUSIC-RESEARCH-REQUEST@CATTELL.PSYCH.UPENN.EDU
ED: Yes
AR: Yes
MO: Stephen Page (Internet) SDPAGE@ANDERSEN.CO.UK
IA:
KE: Musicology Music and Computers Music Research

0475
LN: MUSIC@FINHUTC
TI: A redistribution of MUSIC-RESEARCH (based in Finland).
SU: (Bitnet) LISTSERV@FINHUTC (Internet)
LISTSERV@FINHUTC.HUT.FI
ED: No
AR: No
MO: Peter Marvit (Internet) MARVIT@CATTELL.PSYCH.UPENN.EDU
IA:
KE: Musicology Music and Computers Music Research

0476
LN: MUSIC-ED@UMINN1
TI: Music Education
SU: (Bitnet) LISTSERV@UMINN1
ED: Yes
AR: Yes, Monthly
MO: Dave Schempp (Bitnet) IDAV@UMINN1
IA:
KE: Music Education Misoc Research

0477
LN: OPERA-L@BRFAPQ
TI: Opera
SU: (Bitnet) MAILSERV@BRFAPQ (Internet)
MAILSERV%BRFAPQ.BITNET@VM1.NODAK.EDU

ED:
AR:
MO: Francisco Antonio de M.A. Doria (Bitnet) DORIA@SUWATSON
(Internet) DORIA@SUWATSON.STANFORD.EDU
IA:
KE: Opera Music Research

0478
LN: PIPORG-L@ALBNYVM1
TI: Pipe Organs and Related Topics: technical and historical
aspects of organs of all kinds -- classical, theater,
electronic, reed, tracker, electropneumatic, etc., etc.
Stoplists, recitals (past and future), recordings, jobs
(wanted and available), restoration hints, news of progress
in restoration projects are all interesting.
SU: (Bitnet) LISTSERV@ALBNYVM1 (Internet)
LISTSERV@ALBANY.EDU
ED: No
AR: Yes, Weekly, Private
MO: Dave Schutt (Internet) SCHUTT@NETCOM.COM - Ben Chi
(Bitnet) BEC@ALBNYVM1
IA:
KE: Pipe Organs Organs Restoration

0479
LN: RMUSIC-L@GITVM1
TI: Discusses the music industry. Includes concert and album
reviews, trivia, lyrics and artists. All types of music for
all types of people.
SU: (Bitnet) LISTSERV@GITVM1
ED: No
AR: Yes, Weekly
MO: Paul Harris (Bitnet) PHARRIS@UMKCVAX1
IA:
KE: Music Industry Trivia Popular Music Music Reviews

0480
LN: SAVOYNET@CESSC.BRIDGEWATER.EDU
TI: Gilbert and/or Sullivan and related matters.
SU: (Internet) SAVOYNET-REQUEST@CESSC.BRIDGEWATER.EDU
ED: No
AR: Yes, Yearly
MO: Ralph MacPhail, Jr. (Internet)
R.MACPHAIL@CESSC.BRIDGEWATER.EDU - William C. Venman

(Internet) VENMAN@EDUC.UMASS.EDU
IA:
KE: Operetta Gilbert, W.S. Sullivan, Arthur Musical Theater

0481
LN: SMT-LIST@HUSC.HARVARD.EDU
TI: Discussion for professional and pre-professional music theorists.
SU: (Internet) LISTSERVER@HUSC.HARVARD.EDU
ED: No
AR: Yes, Private
MO: Lee A. Rothfarb (Bitnet) SMT-EDITOR@HUSC (Internet) SMT-EDITOR@HUSC.HARVARD.EDU
IA: Society for Music Theory
KE: Music Theory Society for Music Theory (SMT)

0482
LN: TML-L@IUBVM
TI: Thesaurus Musicarum Latinarum Database for Latin music theory.
SU: (Bitnet) LISTSERV@IUBVM (Internet) LISTSERV@IUBVM.UCS.INDIANA.EDU
ED: Yes
AR: Yes, Yearly
MO: Thomas J. Mathiesen (Bitnet) MATHIESE@IUBVM
IA:
KE: Music Theory Latin

0483
LN: UPNEWS@MARIST
TI: The critically acclaimed newsletter, "Update-Electronic-Music-News" highlights "underground" music, independent and major label artists and companies, contains record reviews, interviews, perspectives, and a host of other topics that differ from issue to issue. Update is also attempting to close the popular music gap, or mass music gap, by bringing to the forefront those artists and aspects of the music industry that are struggling to make their voice heard. Update is providing artists and other areas of the music industry with an opportunity to have recordings, music products, and/or music services presented directly to a large music audience.
SU: (Bitnet) LISTSERV@MARIST (Internet) LISTSERV@VM.MARIST.EDU

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ED: Yes
AR: Yes, Monthly
MO: Christopher DeRobertis (Bitnet) UICD@MARIST - A. Harry
Williams (Bitnet) HARRY@MARIST
IA:
KE: Music News Music Underground Independent Recording
Labels
Major Recording Labels Music Reviews
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Og her er noen lister for de synth-interesserte:

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Analogue Heaven   analogue-request@magnus.acs.ohio-state.edu
EMU Emax          emax-request@foobar.hpl.hp.com
K2000             k2000-request@jyu.fi
netjam            netjam-request@xcf.berkeley.edu
                     message with Subject: request for info
EPS               eps-request@reed.edu
Roland Samplers   sgroup-request@lotus.UWaterloo.ca
Roland D-70       cyamamot@kilroy.Jpl.Nasa.Gov (Clifford Yamamoto)
Roland U20/U22    phantom@nwu.edu (James Choi)
TX16W             Steve Selick selick@cs.bu.edu
Yamaha SY         sy-request@chorus.fr
MMML              midi-request@blink.att.com
EMUSIC-L          LISTSERV@AUVM.AMERICAN.EDU
                  or  LISTSERV@AUVM.BITNET
                    message: SUBS EMUSIC-L Your Full Name
SYNTH-L           LISTSERV@AUVM.AMERICAN.EDU
                  LISTSERV@AUVM.BITNET
                    message: SUBS SYNTH-L Your Full Name
SQ-x/KS-32        ks32-request@cygnus.com
Cubase            CUBASE-R@oldearth.Corp.Sun.COM
Csound            csound@maths.exeter.ac.uk
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Fra Computer Music Journal har vi hentet følgende liste (enkelte overlapp mot grupper nevnt over):

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Edited Newsletters and Electronic Publications

There are a number of electronic publications for our field, ranging
from periodical, edited, wide-focus newsletters such as the
Music-Research Digest and The Leonardo Electronic Almanac, to
unmoderated, irregular, topically-focused publications.
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Music-Research Digest

The Music-Research electronic mail redistribution list was established after a suggestion made at a meeting in Oxford in July 1986, to provide an effective and fast means of bringing together musicologists, music analysts, computer scientists, and others working on applications of computers in music research. Anyone on any of the major international networks is welcome to submit items of interest. Material is collected by a "moderator" (Stephen Page) and remailed to every person on the list in the form of "digests."

As with any forum for discussion, there are certain subject areas that are of particular interest to the group of people on this list. Initially, the list was established for people whose chief interests involve computers and their applications to music representation systems, information retrieval systems for musical scores, music printing, music analysis, musicology and ethnomusicology, and tertiary music education. The following areas are not the principal concern of this list, although overlapping subjects may well be interesting: primary and secondary education, sound generation techniques, and music composition. This restriction on subject matter has recently been reaffirmed; many readers asked the moderator to reject general articles on electronic music, and especially electronic musical instruments (MIDI, synthesizers, "how do I make the frobnyx box work on my Commodore 12399XL+??", etc.). Such areas are covered elsewhere in the electronic mail and network world (see below).

To contact Stephen Page, the digest moderator, or to join the mailing list, write to Music-Research-Request@prg.oxford.ac.uk To submit a contribution to the digest, write to Music-Research@prg.oxford.ac.uk.

The Leonardo Electronic Almanac

Leonardo and The MIT Press are now publishing Leonardo Electronic Almanac monthly; it is edited by Craig R. Harris (Craig@WELL.sf.ca.us). Leonardo Electronic Almanac (LEA) is dedicated to providing current perspectives in the art, science and technology domains. LEA offers a variety of viewpoints, covering activities at media arts facilities and other organizations, as well as work at the individual artist's studio. LEA presents insights into international activities through columns that feature artists' statements about their own work, profiles of media in arts facilities, theoretical and technical perspectives, and reviews of major events, exhibitions and publications. It is also the goal of LEA to provide a forum for people to present their work in progress, in order to solicit input from peers and to facilitate development. Leonardo Electronic Almanac is comprised of a combination of juried articles and perspectives, solicited columns and articles, and an edited news and announcements component. Juried components will be peer-reviewed by an editorial advisory board, which will also serve as a soliciting body.

LEA is published and distributed monthly over the Internet, annual subscription rates are US$25.00. Leonardo Journal subscribers and Leonardo/ISAST members receive Leonardo Electronic Almanac free. For ordering information, contact the MIT Press Journals circulation department; telephone (617) 253-2889; fax (617) 258-6779; electronic mail journals-orders@mit.edu.

Music Theory On-Line

The Society for Music Theory has recently begun publication of a free refereed electronic newsletter-Music Theory On-line (MTO). MTO is described as a "medium for the electronic distribution of items of interest to the world-wide community of professional and pre-professional music theorists, musicologists, composers, and performers, as well as to others concerned professionally or otherwise with music-theoretical issues." The Society is also maintaining an archive of past MTO texts in a database format that can be searched through via electronic mail servers. The MTO mail server's electronic address is ListServ@HUSC.Harvard.edu. To subscribe to MTO, send an electronic mail letter to the server with a blank subject line and the contents "subscribe mto-j your-first-name your-last-name." To get more information on how MTO works, send a letter to the list server with the contents "information mto-j" or contact the editor, Lee Rothfarb at mto-editor@HUSC.Harvard.edu.

Society of Composers, Inc. On-line News

The SCI On-line News (SCION) serves members of the Society of Composers, Inc. by providing up-to-date information on professional opportunities. SCION is not a replacement of, but an addition to, the SCI Newsletter. SCION now represents the fastest method of conveying time-sensitive material to members. SCI issues SCION on the first Monday of every month. Any SCI member is eligible to receive SCION at no extra charge above his or her standard membership dues. To subscribe, send the message "SUB SCION" with your name, electronic mail address, and postal address via electronic mail to Reynold Weidenaar at Weidenaar@acfcluster.nyu.edu.

EMUSIC-L, EMUSIC-D, and SYNTH-L

EMUSIC-L, a forum for the discussion of electronic music, artists, methods, and other topics related to the composition and performance of electronic music, including free-wheeling discussions about possible hardware and software technologies, the psychology and design on interfaces, tools for composition and performance, and other topics as they cross the collective mind of the readers. EMUSIC-L is a very informal and eclectic discussion group. EMUSIC-D is a mailing list existing solely to announce the availability of digests of the EMUSIC-L materials on the EMUSIC-L FTP site (see below).

To subscribe, contact LISTSERV@AUVM.AUVM.edu. EMUSIC-D is edited; EMUSIC-L is not. The list's moderators are Eric Harnden EHarnden@AUVM.AUVM.edu and Joe McMahon XRJDM@TwinPeaks.gsfc.nasa.gov. Keywords are: electronic music, instrumental music, computers, and music composition.

FineArt Forum and FineArt_On-line

FineArt Forum has provided timely information to a large international audience since 1988. The subscriber list consists of individuals working in the realm where art, science and technology converge. Issues provide information about conferences and competitions, calls for presentations and research, and notices about performances. FineArt_On-line is both an archive of FineArt Forum, ISEA News, Leonardo Electronic News, and a variety of longer postings. In January of 1994 they began posting an on-line gallery. The editor is Paul Brown (brown@erc.msstate.edu). FineArt_On-line is also available over the world-wide web by WWW browser at the address http://www.msstate.edu/Fineart_Online/home.html, by gopher at the host gopher.msstate.edu with path 1/Online_services/fineart_online and port 70, or by anonymous ftp from the server ftp.msstate.edu in the directory pub/archives/fineart_online.

Upnews

The critically-acclaimed newsletter, "Update-Electronic- Music-News" highlights "underground" music, independent and major label artists and companies; it contains record reviews, interviews, perspectives, and a host of other topics that differ from issue to issue. Update is also attempting to close the popular music gap, or mass music gap, by bringing to the forefront those artists and aspects of the music industry that are struggling to make their voice heard. Update is providing artists and other areas of the music industry with an opportunity to have recordings, music products, and/or music services presented directly to a large music audience. To subscribe, send a message with the contents "SUBSCRIBE RMUSIC-L your-first-name your-last-name" to LISTSERV@VM.MARIST.edu. The list is edited by Christopher DeRobertis UICD@Marist.bitnet and A. Harry Williams HARRY@Marist.bitnet.

Grind

This list is edited by Matt Jukins (MPJ@KEPLER.UNH.EDU); keywords are: grindcore music, death metal music, and heavy thrash music. To subscribe, send mail to Grind-request@UNH.edu, to contribute, send articles to GRIND@UNH.edu.

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Unmoderated Discussions and Mailing Lists

Music Library Association Mailing List

Indiana University is hosting a mail distribution service for the Music Library Association. This is an implementation of the "LISTSERV" electronic mail list server program. Participants can send mail to the list address that is then distributed to all "subscribers." The list for the Music Library Association includes mail distribution, mail archiving, and file/document serving. The managers of this service intend that it be used for various activities of MLA that can benefit by wide-scale distribution (such as announcements of deadlines for NOTES and the Newsletter, news items, general inquiries about MLA activities, etc.). The list should also be used for reference inquiries, and other topics of interest to the music library community.

The address of the list server program is ListServ@IUBVM.UCS.Indiana.edu. Subscription to the list can be accomplished by sending the server a message whose message body consists of the line "SUBSCRIBE MLA-L your-first-name your-last-name." Subscription to the list is free. The address for contributions is MLA-L@IUBVM.UCS.Indiana.edu. The list's manager is Ralph Papakhian (Papakhi@IUBVM.UCS.Indiana.edu). Past issues of this newsletter are also archived at the list server site, and the program has facilities for retrieving them, or for querying the "database" of all past messages. Contact the organizers for more details on this.

ISPW Mailing List

Rick Taube at the Zentrum fu"r Kunst und Medientechnologie in Karlsruhe, Germany maintains a mailing list and ftp site for software and documents related to the IRCAM Signal Processing Workstation (ISPW). The electronic mailing list ISPW@ZKM.DE has been established to provide a forum for the unmoderated discussion of ISPW related topics: Max, CPOS, hardware, problems and solutions--whatever the user community wants to discuss. Interested parties should send a request for inclusion to ISPW-REQUEST@ZKM.de. For more information, contact Rick Taube, Zentrum für Kunst und Medientechnologie, Ritterstr. 42, D-7500 Karlsruhe 1 Germany; telephone (+49-721) 9340-300; fax (+49-721) 9340-39; electronic mail HKT@ZKM.de.

CCRMA Hearing Seminar List

This mailing list is mostly used to announce talks and seminars of interest to the hearing and auditory science community around the San Francisco Bay Area, but there are a number of listeners around the world who subscribe to the list to keep up on news in the auditory world. Send subscription requests to Malcolm Slaney at Malcolm@Apple.com.

Auditory Organization Mailing List

An electronic mailing list has been organized by Albert Bregman of McGill University in Montreal, Canada for those interested in auditory organization as it pertains to perception of basic sound qualities, memory, recognition, music, speech, computer-implemented sound separation, neuroscience, etc. It is being supported to ease in the distribution of manuscripts circulated for comment, requests for information (e.g., about software), announcements of meetings, summaries of work in a particular laboratory, floating of research ideas ("Has anybody looked at this before?"), announcements of jobs or notices of availability, notes on the availability of programs of graduate studies or other training, information about funding agencies, etc. The organizers expect to include researchers in psychology, music, engineering, neuroscience, speech science, physics, and other fields, in educational institutions or industry. To subscribe to the list, send a letter describing your activities in the field to in09@musicb.mcgill.ca. When you receive a message that your name has been added to the list, you will be able to send messages to the address auditory@vm1.mcgill.ca. For more information, contact Albert

Bregman, telephone (514) 398-610.

SYNTH-L

SYNTH-L, a forum for the discussion of hardware and software specifics relating to electronic music-making at all levels. More emphasis is placed upon commercial products; things such as csound are better discussed on EMUSIC-L. This is a good place to send those SoundBlaster and "what should I buy" folks who pop up all over the place. The current population tends toward professionally-oriented products at the moment, but there is a growing contingent of sound-card and multimedia users. Discussions tend to questions and answers about hardware and software specifics; there are a number of persons who have proven to be experts in the identification of vintage equipment and its capabilities. To subscribe, contact LISTSERV@AUVM.AUVM.edu.

Music Kit Mailing List

There is a NeXT Music Kit mailing list that covers both user and developer issues. To subscribe, send mail to MKDist-request@ccrma.stanford.edu; to contribute, send mail to MKDist@ccrma.stanford.edu.

Alternate Tuning Mailing List

This mailing list is intended for exchanging ideas relevant to alternate tunings--just intonation; paratactical tunings; experimental musical instrument design; non-standard equal temperaments; MIDI tuning system exclusive specs; concert postings; gamelan tunings and other non-western tunings; historical tunings; the experimental tunings of Harry Partch, Lou Harrison, Martin Bartlett, James Tenney, and so on; software reports; recordings; books; research sources, etc. To subscribe to the list, send electronic mail to ListProc@VARESE.Mills.edu The first line of the message should be blank, and the second should read "SUBSCRIBE TUNING your-name" Questions about the list can be sent to Greg Higgs at higgs@mills.edu

Allmusic

The users of this forum discuss all forms of music, in all its aspects, from appreciation to performance. To subscribe, contact LISTSERV@AUVM.AUVM.edu. The list is not edited. The list's moderator is Mike Karolchik (U6183@WVNVM.WVNET.edu).

Rmusic

This mailing list carries a discussion of the music industry, including concert and album reviews, trivia, lyrics and artists--all types of music for all types of people. To subscribe, send a message with the contents "SUBSCRIBE RMUSIC-L your-first-name your-last-name" to LISTSERV@GITVM1.bitnet. The list's moderator is Paul Harris (PHarris@UMKCVAX1.bitnet).

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Electronic Archives

Computer Music Journal Archives

A number of texts that have appeared in Computer Music Journal are available over the Internet by ftp or ftpmail from the directory pub/computer-music-journal on the network server computer named MITPress.MIT.edu. These texts include the computer music bibliography, diskography, taxonomy, and this note, the tables of contents and abstracts of recent issues of Computer Music Journal, and other references. One can see what is there at any time by retrieving the file Index.t (ASCII text) or Index.ps.Z (compressed PostScript). Send comments to cmj@CNMAT.Berkeley.edu.

International Computer Music Association Software Library

The ICMA Software Library is an attempt to centralize information concerning (primarily) non-commercial software currently available for use by computer music researchers and composers. These software listings are maintained for the benefit of the computer music community and in no way should be taken as an endorsement of any kind. The ICMA does not make any warranty as to the accuracy of these listings, nor does it maintain any control whatsoever over the listed software.

The library is available by anonymous ftp and ftpmail, and is maintained by Robert S. Newcomb (Robert.S.Newcomb@Dartmouth.EDU). It is located on the server Dartmouth.EDU in the directory pub/ICMA-Library.

Music Research Digest Archive

The Oxford University Programming Research Group (PRG) provides an archive service to keep back issues of the Music Research Digest and other files of interest to the community. There is a file server that will accept electronic mail requests for these files, send you an index, and send you any files you are interested in. For information on how to request copies of these files, mail a message containing the word "help" at the beginning of the line to archive-server@prg.oxford.ac.uk, and instructions will be sent to you. For an index of files, send a message containing "index music" at the beginning of a line. We have a copy of the archive available in the USA, which handles requests from sites that are not connected to a UK network. It uses the same software as the PRG server, and its address is archive-server@Bartok.sun.com.

Network Archives at IRCAM

There is an archive on the machine named ftp.ircam.fr at the IRCAM institute in Paris. Because IRCAM is connected to the Internet via a (relatively slow) 9600 Baud line, users are asked to limit their bulk transfers to the hours between 10 PM and 8 AM middle European time. Outside contributions are welcome; users should place them in the "incoming" directory. Please leave documentation to accompany them. Please send suggestions, enquiries, bug reports, etc. to manager@ircam.fr.

Leonardo Archives

There is a network archive related to the Leonardo Electronic Almanac that is maintained on the server MITPress.MIT.edu in the directory pub/Leonardo-Elec-Almanac. This archive includes back issues of LEA, as well as many items of expansatory or collateral material relating to articles that appeared in LEA.

The EMUSIC-L FTP Site

The EMUSIC-L FTP site (formerly located at castrovalva.gsfc.nasa.gov; now temporarily located at stjohn.gsfc.nasa.gov until the name change is processed for both nodes) contains the EMUSIC-L archives, an archive of MIDI documentation, and Macintosh software collected from around the Internet.

CNMAT Gopher Server

The Center for New Music and Audio Technology (CNMAT) at the University of California, Berkeley has a network accessible gopher server. It contains most public CNMAT documents and papers. To access this data, open a gopher client to the machine cnmat.cnmat.berkeley.edu with a port number of 70.

MRIS and TIME

The Music Research Information System (MRIS) is a gateway to research information in the fields of music education, music psychology, music therapy, and music medicine. MRIS is a project of the Institute for Music Research (IMR) at the University of Texas at San Antonio and is sponsored by a UTSA Strategic Initiative Grant. MRIS is the gateway to CAIRSS, a bibliographic database of music research literature, and TIME, a bibliographic database of music software and software archives, as well as remote music services.

The Technology in Music Education database (TIME) is a collection of information about music instructional software. Software products including computer programs, hypertext stacks, CD-ROMs, video tapes, video discs, and music classroom systems are eligible for listing in TIME. TIME includes publisher's descriptions and independent reviews of all types of music instructional software as well as availability information. In addition to the software review database, IMR will serve as an archive of music instruction software which may be viewed by potential users.

Any person wishing to include music services in MRIS, post music announcements, publish software reviews, or archive software should contact the project coordinator Kimberly C. Walls, Institute for Music Research, University of Texas at San Antonio, San Antonio, Texas 78249 USA; telephone (210) 691-5321; electronic mail KWalls@Lonestar.UTSA.edu.

These facilities are available "dial-in" via 2400 Baud modem at the telephone number (210) 561-8000, via a gopher server on the machine runner.utsa.edu 3000, or over the internet using the telnet program connected to runner.utsa.edu as the user named "imr" with no password.

CERL Sound Group World-Wide Web server

The CERL Sound Group at the University of Illinois maintains the CERL Sound Group WWW server. This server features information about the CERL Sound Group and other topics, including: an archive of the Association for Computing Machinery's (ACM) special interest group on sound and computation electronic forum; a bibliography of CERL sound group papers, books about computer music, and books about MIDI; conference announcements; job announcements; on-line versions of some papers about sound and computation; and pointers to other sources of information about sound and music. The server should be available via WWW at all times at the address http://datura.cerl.uiuc.edu; please direct comments and suggestions to Bill Walker (walker@cs.uiuc.edu).

Society for Music Theory Archives

The Society for Music Theory (SMT) file server allows subscribers to the SMT Email Conference to retrieve files through electronic mail. Email messages containing commands are sent to the file server, which processes the retrieval command(s) and dispatches the requested file(s) to the user. The address of the SMT file server is smt-serv@husc.harvard.edu. To retrieve the index of the archive, send a letter to the server with the contents,

```
        path your-electronic-mail-address
        send index
```

and nothing else. Address questions to Lee Rothfarb at SMT-Editor@HUSC.Harvard.edu.

Music and Brain Information Database (MBI)

The goal of the Music and Brain Information Database (MBI) is to establish a comprehensive data base of scientific research (references and abstracts) on music as related to behavior, the brain and allied fields, in order to foster interdisciplinary knowledge. The relevant topics include: the auditory system, human and animal behavior, creativity, neuropsychology of music, effects of music on behavior and physiology, music education/medicine/performance/and therapy, neurobiology, perception and psychophysics.

The database is available via telnet from the Internet on the server MILA.PS.UCI.edu by logging in as the user "mbi" with password "nammbi." For further help contact the MBIC Coordinators c/o Norman Weinberger, Center for the Neurobiology of Learning and Memory, University of California, Irvine, Irvine, California 92717 USA; telephone (714) 725-2628; electronic mail MBIC@MILA.PS.UCI.edu.

Computer-Assisted Information Retrieval Service System for Music (CAIRSS)

CAIRSS is a bibliographic database of music research literature in music education, music psychology, music therapy, and music medicine. Citations have been taken from 1,354 different journal titles; 18 of which are primary journals, meaning that every article ever to appear is included. The system is available via telnet over the Internet at the servers utsaibm.utsa.edu (at the "TS!vt100,3278" prompt, press <RETURN>; at the UTSA logo screen, type in "library"; at the library logo screen, press <RETURN>; at the catalog screen, type in "cmus") and runner.utsa.edu (log in as user "imr" with no password. Several additional services will soon be forthcoming, including an inter-library loan service and a CAIRSS Thesaurus. For more information on CAIRSS, please contact Don Hodges at DHodges@Lonestar.UTSA.edu; telephone (210) 691-5317; fax (210) 691-4381.

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On-line Discussions, News Groups, and Electronic Bulletin-Board Systems

HMSL Forum

The HMSL Forum is a bulletin board/conference designed to provide a medium for sharing information between users, experimenters and designers of the language HMSL (Hierarchical Music Specification Language), developed at Mills College in Oakland, California USA. HMSL is a language designed for small computers, in real-time interactive composition, performance and experimental environments. Readers of Computer Music Journal may be familiar with the language from articles by its developers, including Larry Polansky and David Rosenboom. One of the aims of the Forum was to provide a support environment for beginning users of HMSL, for many of whom this is their first exposure to programming, as well as for interaction between more advanced users as a stimulus for ideas. The discussions and files available provide a good guide for novices as to the sorts of directions taken by the designers and users of HMSL, the sorts of interests that have been pursued and what the HMSL environment is capable of.
The HMSL Forum runs on a bulletin-board system in San Francisco, sharing messages and files in an Echomail conference several other sites and bulletin boards. It is accessible by modem at (415) 928-8240, at modem speeds up to 2400 baud. Participants geographically closer to the East Coast of the USA can avoid high telephone charges by participating through the Echomail conference on one of the New York BBSs (the NRA Gateway and the Dwight High School system). Long-distance callers can also use PCPursuit, Telenet's low-cost after-hours national network, to call the San Francisco number.

The WELL's MIDI Conference

The MIDI Conference is accessible on the WELL (Whole Earth 'Lectronic Link), an on-line service based in Sausalito, California USA. The conference provides information, support, and a software library for MIDI users at all levels of experience. The conference is hosted by

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Carter Scholz and Warren Sirota. Discussions are not moderated; the
hosts are there for housekeeping purposes. Participants are free to
contribute to any topic, and to create new topics.

Typical topics include questions and answers about specific MIDI
equipment and software; for example, Yamaha Q&A, Ensoniq VFX, and new
sequencers, but discussions have encompassed nearly every aspect of
electronic and computer music, whether or not it is related to MIDI.
Some recent topics include: ICMC 1989, notation software, good
listening in the electronic domain, call for suggestions on MIDI
microtonality, music languages for micros, and beyond MIDI. The
orientation of the conference is, by circumstance, perhaps more
market-oriented than Computer Music Journal readers might be accustomed
to, but it could prove a valuable resource as more MIDI gear finds its
way into the mainstream of computer music. Certainly conference
participants are open-minded enough to value new perspectives.

To access the WELL, telephone (415) 332-6106, and type "newuser" at the
login prompt. Then type "go midi" at any "OK" prompt to enter the MIDI
Conference. Rates are US$3/hour with an US$8 monthly minimum.
Compuserve Packet Network access is available at an additional
US$5/hour. Payment is by credit card.
```

4 Elektroniske nyheter

Elektroniske nyheter er et system som ikke har noen tilknytning til postsystemet, men som fungerer på liknende måte som postgrupper. Et stort antall nyhetsgrupper finnes, og det er enkelt å finne fram til dem. Dette betyr dessverre at "støynivået" kan være ganske høyt. Folk sender meldinger i hytt og pine, og det kan være vanskelig å finne fram til nyttig informasjon. Ikke desto mindre kan elektroniske nyheter være spennende å følge med på, om ikke annet så på grunn av underholdningsverdien!

Nyheter leses ved hjelp av programmer som "rn" eller "xrn" på UNIX-maskiner, eller med gratisprogrammet "Newswatcher" for Mac og PC. Du kan lese news via NoTAMs vertsmaskin, men du kan for øyeblikket ikke sende.

4.1 Nyhetsgrupper for musikk

Her er noen news-grupper for musikk, mange av dem nokså useriøse:

```
comp.music
alt.bbs.doors
```

alt.emusic
alt.exotic-music
alt.fan.amy-fisher
alt.fan.andrew-beal
alt.fan.asprin
alt.fan.frank-zappa
alt.fan.shostakovich
alt.guitar
alt.guitar.bass
alt.guitar.tab
alt.journalism.music
alt.music.a-cappella
alt.music.alternative
alt.music.canada
alt.music.enya
alt.music.filk
alt.music.hardcore
alt.music.progressive
alt.music.rush
alt.music.ska
alt.music.tmbg
alt.rap-gdead
alt.rave
alt.rock-n-roll
alt.rock-n-roll.acdc
alt.rock-n-roll.classic
alt.rock-n-roll.hard
alt.rock-n-roll.metal
alt.rock-n-roll.metal.gnr
alt.rock-n-roll.metal.heavy
alt.rock-n-roll.metal.metallica
alt.rock-n-roll.metal.progressive
alt.rock-n-roll.symphonic
biz.clarinet
biz.clarinet.sample
comp.sys.amiga.audio
comp.sys.amiga.multimedia
comp.sys.ibm.pc.soundcard
comp.sys.ibm.pc.soundcard.GUS
k.ed.music
mail.subgenius
rec.audio
rec.audio.high-end m
rec.audio.pro

```
rec.music.afro-latin
rec.music.beatles
rec.music.bluenote
rec.music.cd
rec.music.christian
rec.music.classical
rec.music.classical.guitar
rec.music.compose
rec.music.country.western
rec.music.dementia
rec.music.dylan
rec.music.early
rec.music.folk
rec.music.funky
rec.music.gaffa  m
rec.music.gdead
rec.music.indian.classical
rec.music.indian.misc
rec.music.industrial
rec.music.info  m
rec.music.makers
rec.music.makers.bass
rec.music.makers.guitar
rec.music.makers.guitar.tablature
rec.music.makers.percussion
rec.music.makers.synth
rec.music.marketplace
rec.music.misc
rec.music.newage
rec.music.phish
rec.music.reggae
rec.music.reviews  m
rec.music.synth
rec.music.video
alt.binaries.pictures.fine-art.digitized  m
alt.binaries.pictures.fine-art.graphics  m
alt.binaries.sounds.d
alt.binaries.sounds.misc
alt.cows.moo.moo.moo
```

5 Filoverføring

Store mengder gratisprogrammer, dokumenter, MIDI-filer etc. er tilgjengelig for gratis nedhenting fra alle mulige maskiner rundt omkring i verden. Programmer som "ftp" på UNIX-maskiner, "Fetch" på Mac, og "Zterm" for modembruk muliggjør slik filoverføring. For detaljer om hvordan dette gjøres, refererer vi til heftet "Guide til nettverksnoden NoTAM".

5.1 NoTAMs program- og dokumentbibliotek

NoTAM har en ftp-tjeneste tilgjengelig, med endel musikkprogramvare og dokumenter. Det meste er nok for Mac, men vi har også endel for UNIX og PC. For å gi et inntrykk av tilbudet, gjengir vi en listing av bare en av mange kataloger, nemlig Mac-programmer for lydbehandling (ikke MIDI):

```
Listing av pub/mac/audio:

00index.txt
7thsymphony1.1b.cpt.hqx
CSOUND.Powermac.README.txt
Csound-881.hqx
Csound.READ.ME
Csound.hqx
Csound.man.hqx
Csound.sit.hqx
MIDItoCsound.hqx
MIDItoCsound.sit.hqx
SH070.hqx
SoundAndImageToolbox.cpt.hqx
SoundMachine.sit.hqx
aiffrecorder1.0.cpt.hqx
amigasndconverter1.01.hqx
balthazar1.0.cpt.hqx
bigsound1.0.cpt.hqx
brianssoundtool1.3.sit.hqx
canontwo1.03.cpt.hqx
csound.PowerMac.sea.bin
eartrainer.cpt.hqx
hendrix.hqx
lemur-302.hqx
lemur2.4.cpt.hqx
loopsound1.0.sit.hqx
m5mac1.0.cpt.hqx
microrecorder2.0.sit.hqx
modvoicer1.1.cpt.hqx
```

```
monotostereo1.0.cpt.hqx
parrot1.0a5.cpt.hqx
parrot1.0b1.cpt.hqx
pianosim1.2.cpt.hqx
resample1.0.cpt.hqx
reverb5.2.cpt.hqx
sampleeditor1.03.cpt.hqx
sd2snd0.1b0.cpt.hqx
sfrecordsfplay0.01.cpt.hqx
sndcataloguer1.3.cpt.hqx
sndconverterpro2.0.cpt.hqx
sndconverterpro2.2.sit.hqx
soundapp1.0.cpt.hqx
soundbuilder2.0.cpt.hqx
soundeditmatlabsuite1.4.cpt.hqx
soundhack0.66.cpt.hqx
soundmanagerpackage1.9.sit.hqx
soundreverser1.0.cpt.hqx
soundtrecker1.0.sit.hqx
soundtrecker2.0.sit.hqx
soundtrecker2.01.sit.hqx
spliner.cpt.hqx
turbosynth.cpt.hqx
unison0.62.sit.hqx
unison0.70b1.sit.hqx
vumeters1.0.sit.hqx
wavewindow1.0.sit.hqx
wavewindow2.0.sit.hqx
wavicle1.0.cpt.hqx
```

5.2 Archie

Det kan være vanskelig å finne fram til maskiner ute i verden som har de filene man er ute etter. Hvis man kjenner en del av navnet til filen, kan man gi kommandoen `archie -s del-av-navnet`. Archie vil da søke rundt i verden etter maskiner som har slike filer i sitt arkiv.

6 Gopher, WAIS

Gopher og WAIS er andre programer for søking etter informasjon på Internet. Disse tjenestene blir etterhvert innkorporert i og oppspist av World Wide Web, som beskrives i neste avsnitt.

7 World Wide Web

World Wide Web er den nye, fantastiske nettverkstjenesten som det er moderne å snakke om for tiden. WWW forklares lettest ved demonstrasjon, men enkelt sagt er dette en hypertekst-tjeneste med innlagt lyd og bilde som dekker hele verden. Flere og flere institusjoner, firmaer og enkeltpersoner legger inn informasjon om seg selv og sine prosjekter her, og det finnes også elektroniske tidsskrifter, interaktive museer og andre tjenester som er en del av dette.

Ideelt sett skal WWW virkelig være et "Web" hvor man kan klikke på referanser i en tekst og automatisk fare fra vertsmaskin til vertsmaskin uten at man merker stort til hvor i verden man befinner seg i øyeblikket. Disse kryssreferansene er imidlertid ikke så veldig godt utbygd ennå, så det er fremdeles nødvendig å skaffe seg endel reelle adresser og gå til disse direkte.

WWW er stilig å se på og morsomt å bruke, men de store datamengdene som går med til lyd og bilde gjør at systemet ofte kan virke noe tregt.

For å benytte WWW bør du nok være tilknyttet Internet via en høyhastighetslinje. WWW via modem er nok ingen god ide. For å koble seg til WWW trenger du et eget program som ofte heter "Mosaic". Slike programmer finnes til UNIX, Mac og PC.

7.1 WWW-servere for musikk

Her er et par utgangspunkter for musikalsk "nettsurfing" med WWW.

`http://www.leeds.ac.uk/music.html` inneholder store mengder informasjon og referanser til musikk-relaterte nettverkstjenester.

`http://datura.cerl.uiuc.edu` er mer rettet inn mot elektronisk musikk.

`http://nmt.edu/ jefu/notes/notes.html` kjører en genetisk algoritme for algoritmisk komposisjon, hvor du kan stemme over melodier og dermed påvirke hvordan de skal mutere videre. Ikke veldig imponerende, dessverre.

`http://web.city.ac.uk/ cb170/notator.page.html` er en WWW-server for sequencer-programmet Notator.

Det finnes mange flere; masse referanser finnes som sagt i Leeds.

8 Hvordan kommer du igang?

Du må enten ha tilgang til en nettverkstilknyttet UNIX-arbeidsstasjon, terminal, Mac eller PC, eller skaffe deg et modem til din egen Mac/PC.

Hvis du ikke har en brukerkonto på ditt eget system, kan du få en konto hos oss. Vi vil gjerne ha adresse, telefonnummer, eventuell institusjon og hvorvidt du ønsker tilsendt kommunikasjonsprogramvare for Mac.

9 Litt "netikette"

Av egen erfaring tror vi det kan være nyttig med en liten "pekefinger" når det gjelder elektronisk post og elektroniske nyheter. Når man sitter ved tastaturet kan det være lett å glemme at det finnes ekte mennesker i den andre enden, og at man iblant, særlig når det gjelder News, har et publikum på titusener av mennesker.

Vær sikker på at det du sender til "News" har allmen interesse. Det er meget nyttig både for deg selv og andre å sende spørsmål ut i verden, men send ikke ting hver dag til News, kanskje heller ikke hver uke! Hvis flere hadde fulgt dette, ville News ha vært en bedre tjeneste enn den nå er. Postgruppene har et mindre publikum, og her kan man slippe seg mer løs.

Humor og ironi kan være vanskelig å overføre tekstlig, og blir ofte misforstått, med sørgelige konsekvenser. Vi anbefaler bruk av "smileys". En liten "`:-)`" (legg hodet til venstre, så ser du smilefjeset) forstås av alle erfarne nettbrukere. Det finnes utallige varianter av denne ("`=:-)`" er en punker, "`8-)`" bruker briller, "`:-(`" er sur, "`%-(`" har sittet foran skjermen i 15 timer, etc. etc.).

10 Framtiden

Vi drømmer om sanntids lydsyntese over nettet, sanntids MIDI-overføring for verdensomspennende "jamming" etc. Dette ligger nok litt fram i tid.

ISDN er den nye teletjenesten som kan bringe høyhastighets-datanett inn i "de tusen hjem". Hvis du er av den eventyrlystne typen, kan du jo ta kontakt med Televerket om dette.

NoTAM kommer muligens til å sette opp en WWW-server etterhvert.