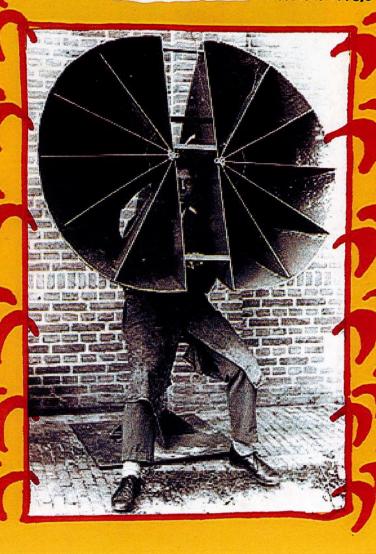
SOUNDS CAPE. ECOLOGY.

A PROMPT

INTRODUCTION



SOUNDSCAPE

ECELECT

THIS ZINE IS WRITTEN

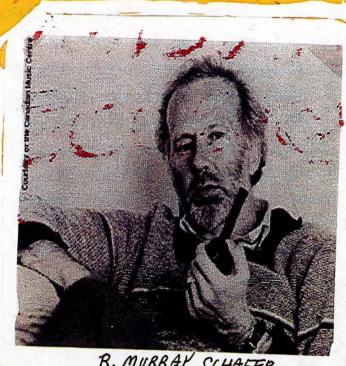
TO DRAW NOTICE TO

AN INCREASINGLY PREVALENT

AND NEW FIELD OF STUDY.

HOPEFULLY, THE BEGINNINGS OF STUDIES IN SUCH A YOUNG FIELD CAN PEAK INTEREST IN THE REDDER, NO MADER THEIR BACKGROUND,

THIS BRIEF INTRO IS FOR EVERYONE TO BECOME FAMILIAR WITH, WHE IN GROER TO SPREAD WORDS AND ENCOURAGEMENT FOR SAFE SOUND.

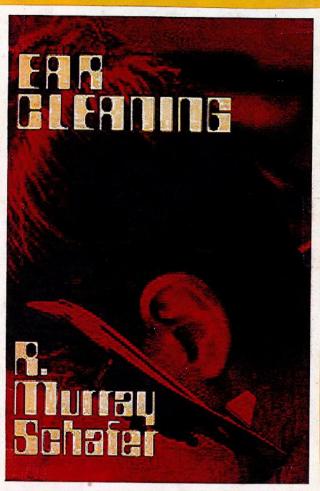


R. MURRAY SCHAFER

SOUND SCAPE ECOLOGY STUDIES WERE BEGUN IN THE LATER 1960'S BY R. MURRAY SCHAFER AS A PART OF A TEAM THAT CREATED THE "WORLD SOUNDSCAPE PROJECT" (WSP) SCHAFER IS, HIMSELF, A WRITER, COMPOSER, TEACHER, AND ENVIRONMENTALIST AMONST MANY OTHER THINGS. HE AND HIS TEAM FROM SIMON FRASER UNIVERSITY BEGAN THE WORLD SOUND SCAPE PROJECT TO "FIND SOLUTIONS" FOR AN ECOLOGICALLY BALANCED SOUNDSCAPE WHERE THE BELATION SHIP BETWEEN THE HUMAN COMMUNITY AND ITS SONIC ENVIRONMENT IS IN HABMONY"

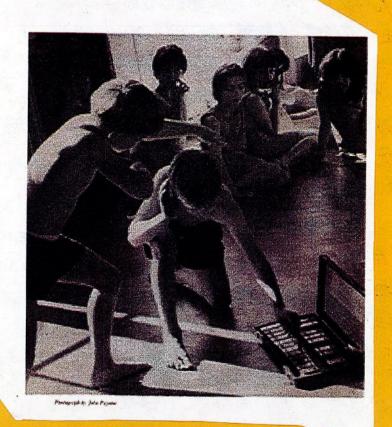
MULTIPLE SONIC STUDIES WERE ALREADY BEING UNDERTAKEN AT THE TIME OF THE WSP, HOW SCHAFER'S STUDIES IN WHAT HE CALLED "ACOU ECOLOGY" WERE MUCH MORE ENCOMPASSING, PATHE WAY FOR INTERDISCIPLINARY STUDIES IN SOUND. BESIDES PINGOINTING THE DANGERS OF

NOISE POLLUTION OR OTHER POPULAR SOME STUDIES
OF THE TIME LIKE PSYCHOACOUSTICS, SCHAPER WA
INTERESTED IN PEOPLE'S ABILLY TO TRULY LISTER
AND IN INCREASING THEIR OVERALL AWARENESS OF



THE SOUNDS OF THEIR ENVIRONMEN

21.02



SCHAFER REFERRED TO

THIS TYPE OF AWARENESS AS A

PERSON'S "SONOLOGICAL COMPETENCE"

HE STRONGLY ADVOCATED NEW

PRACTICES IN ORDER TO BUILD MORE

SONOLOGICAL COMPETENCE WORLDWIPE.

HE SUGGESTED PRACTICES IN "EAR

ELEANING" AS A SORT OF HYGENIC RESPONSIBILITY.

MANDATED "SOUND WALKS" AS A PART OF

SCHOOL CURRICULUM.

YOUNG STUDENTS, HE BELEIVED, COULD BE TAVENT MAN BETTER SONOLICAL COMPETENCE THAN THEIR ELDERS. IN "CLEANING" THEIR EARS. AT A YOUNG AGE, YOUNGSTERS WOULD BE BETTER PIT TO CREATE HEALTHIER SONIC ENVIRONMENT FOR PRESENT AND FUTURE GENERATIONS. AT THE CORE, SCHAPERS STUDIES SEEM TO FALL IN LINE WITH MORE ANTHROPOLOGICAL GEARED AMBITIONS, OFTEN CONFUSED WITH SPECIFIC DANGERS OF NOISE POLLUTION to HUMANS AN LOSS OF HEARING. HOWEVER, HIS STUDIES HAVE BEEN PICKED OVER AND EXPANDED UPON BY SCHOLARS OF SEVERAL FIELDS.



"All Add to Alleg ?

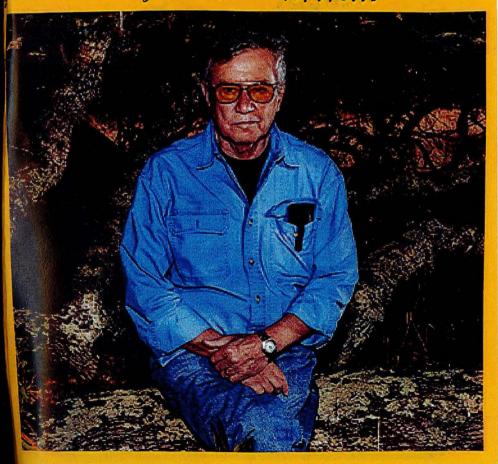
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AMONG ST THESE MANY RESEARCHERS IS DR. BERNARD L. "BERNIE" KRAUSE.

BERME KRAUSE, AN (AMERICAN) MUSICIAN,
RECORDIST, BIO-ACOUSTICIAN, AND ECOLOGIST
WHO BEGAN & ARCHIVNU RECORDINGS OF
NATURAL SOUNDSCAPES IN THE LATE 1970'S.

HE BELIEVES THERE ARE THREE
TYPES OF SOUND THAT COMPRISE, AND
NATURAL SOUNDSCAPE. THE GEOPHONY,

BIOPHONY, AND ANTHROPHONY,



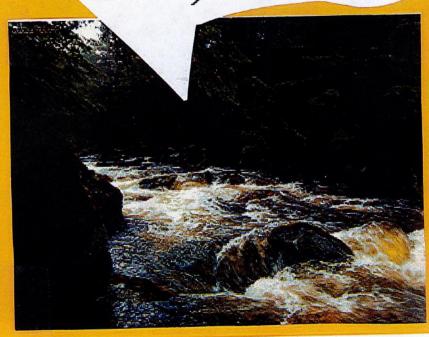


NATURALLY OCCURRING GEOPHYSICAL SOUNDS

- · WIND
- RAIN
- STREAMS WAVES
 - · MOVEMENT OF

THE EARTH

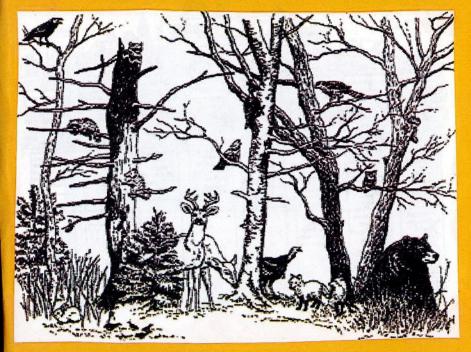




BIOPHONY Englishing

THE SOUNDS ORIGINATING
FROM BIOLOGICAL ORGANISMS

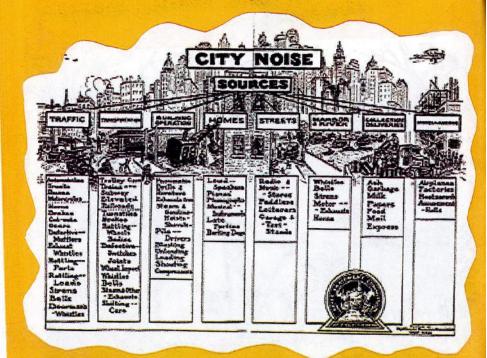
- ONON-HUMAN ORGANISMS IN A GIVEN HABITAT - AT ONE TIME, AND IN ONE PLACE
- · INSECTS; BIRDS, MAMMALS, REPTILES, AMPHIBIANS, ETC.



ANTHROPHING

ALL SOUNDS THAT WE HUMANS GENERATE

- · SOME ORGANIZED (MUSIC)
- · SOME CHAOTIC (NOISE)
- · TRAFFIC, INDUSTRIAL NOISE, INSTRUMENTS, ETC.



BERNIE KRAUSE HAS USED MOST OF HIS RECORDINGS TO STUDY SEVERAL BIOPHONIES AS PARTS OF NATURAL SOUNDSCAPES IN VARIOUS REGIONS.

LIKE MANY OTHERS, HE USES

SPECTROGRAPHS TO STUDY SOUNDSCAPES

AND PINPOINT NON-HUMAN, BIOLOGICAL

SOUNDS. THIS INSTRUMENT

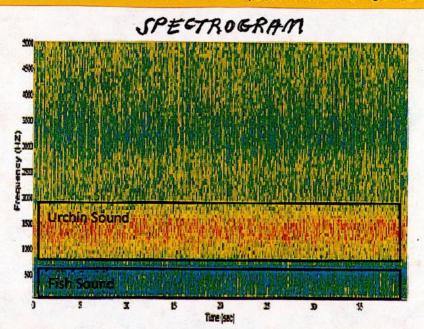
CIVES VISUAL REPRESENTATION TO THE

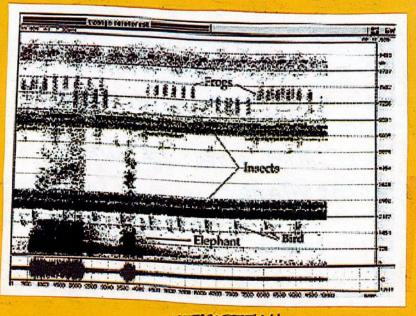
SPECTRUM OF FREQUENCIES IN A GIVEN

RECORDING. SEPERATE SIGNALS RECORDED

BY SPECTROGRAPHS CAN BE ESSILY

IDENTIFIED BY THROUGH THEIR IMAGING SYSTEM.





THROUGH THE OF SPECTROGRAPH

IMAGES, BERNIE KRAUSE POSITED HIS

"NICHE HYPOTHESIS"

"THE ACOUSTIC BANDWIDTH PARTITIONING
PROCESS THAT OCCURS IN STILL-WILD
BIOMES BY WHICH NON- HUMAN ORGANISMS
ADJUST THEIR VOCALIZATIONS BY FREQUENCY
AND TIME-SHIPTING TO COMPENSATE FOR
VOCAL TERRITORY OCCUPIED BY OTHER
VOCAL CREATURES."

KRANSE WAS ABLE TO DISCOVER

THIS PARTITIONING BY OBSERVING

SEVERAL ORGANISMS AT ONE TIME,

RATHER THAN THE POPULAR METHOD

OF RECOFDING FRAGMENTED SOUNDS OF

MOIVIPUAL ORGANISMS.

BY DOCUMENTING SOUNDSCAPES AS WHOLE ECOSYSTEMS, KRAUSE IS ABLE TO HEAR FOR PATTERNS AND FOR WHAT IS MISSING, BECAUSE OF ANTHROPOLICAL NOISE, HE HAS CONCLUDED THAT MANY HUMAN PRACTICES ARE DRIVING ANIMALS FROM THEIR NATURAL HABITAT. BIRD POPULATIONS DIMINISH B/c OF TRAPFIC AND CONSTRUCTION. AQUATIC ECOSYSTEMS ARE DISRUPTED BY BOATS AND SUBMARINES. WHAVES AND DOLPHING BECOME CONFUSED WHEN THEIR SONAR COMMUNICATIONS ARE INTERPUPTED.

KRAVSE'S STUDIES, WHILE MANORLY
INFLUENTIAL, HAVE FOCUSED MAINLY ON
THE A HUMAN COMPOSITIONS
IN AND AROUND THE GLOBE.

ACTHOUGH WE KRAUSE AND SCHAFER'S

STUDIES DIFFER SLIGHTLY IN THEIR

EMPHASES, THEY ARE BOTH INCREDIBLY

INFLUENTIAL, AND SERVE AS LANDMARK

BEGINN WESS TO A VERY IMPORTANT AND

INTERDISCIPLINARY FIELD.

USE THESE TWO MEN'S RESEARCH IN ORDER TO BVILD UPON THE SUBJECT. AS WITH SCHAPER'S STUDIES, HOPEPULLY WE CAN TEACH BETTER VISTENING TO TOTALLY UNE GENERATIONS. THESE FUTURE GENERATIONS SKILLS TO DESIGN A BETTER SONIC ENVIRONMENT FOR ALL LIVING OFFANISMS. HUMAN OR NOT.

