HELLO — this is BUSH VIDEO transmitting some printed messages. We are people who are putting our heads into the common information space of video communication. We define video as a tool for the reception, codification, and transmission of audio/visual information, and as the technological extension of the human being's memory/image processing, storage, and retrieval system. After consciously and unconsciously, seeing and dreaming, video and metavisual 24 hours a day for the last four months we are now giving a brief report of "these instantiations reduced to paradoxe" (Bucky) and the discovered educational, social, international, global culture participally, and simply would sum up on the projection of video communication which make the present pre-programmed, one-way broadcast TV as obsolescely relevant as the town crier.

Realization of the total ecological interdependence of all living on the planet requires our responsibility to globally coordinate our energy modulating strategies . . . which requires a planetary communication medium, and universal language for world literacy. Joseph El Khoury's article "Alchemy of Communication" outlines the tradition of this hermetic quest evolving to video as the contemporary alchemical tool.

It seems to us that video is the first of a family of a new generation of universe communication tools — probably as revolutionary as Gutenberg's printing press — which will expand the field of man's knowledge in unprecedented forms.

McCluhan's "Towards a General Theory of Communication" states a definition of communication as a sharing of conscious experience of energy and his "Telematics" is a conceptual framework of inmediating one small Klein bottle for video information considered in terms of four communication processes — reception, codification, transmission, and transaction of messages.

Similarly to Novem Chomsky's every child reverts language when learning theory, video languages have yet to be tested, let alone validated. Thus, at the moment, video is a vast educational program to be processed (or process to be programmed) and much of our work is heuristic pushing into video communication potentials.

The primary areas for video exploration are proposed to be placed
1. Video as Personal articulation
2. Video as social interaction
3. Video as cosmic integration

VIDEO AS PERSONAL ARTICULATION
Video as proetic or harmonic articulation for the spontaneous investment of the imagination-regulating intellectual increments of experience. Video as self-actualizing, mediatorial tool to reality projection e.g. soft-slate videopapers as empty memory theatre for staging consciousness transformations (see Joseph "Memory Theatre") and for insertion of specific visions to be played by self or others inserted into the theatre.


VIDEO AS SOCIAL INTERACTION
Video as social monitors (Social Early Warning system similar to DEW — Distant Early Warning system for missile detection) for detection of revolutionary changes in societies. Video as tool for initiation of social evolutionary strategies. E.g. "Challenge for Change" type projects (cf. Warwick Robins and Tom Zaborcik's articles).

Video as tool for social intercommunication and information feedback — consciousness as communal bond matrices. Video as anthropologic tool for world cultural integration e.g. Video space/time realization of Australia's aboriginal dreamtime.

BUSH VIDEO PROGRAM PROCESS
We are primarily concerned with self-educational/experimental video software and hardware research, production and display.

(1) SOFTWARE
Research
- Metavideo: Design of generalized video languages for universal human communication and programming of a universe image information integration tool.
- Design of generalized video languages for operational situations.

Productions
Video productions are considered not as static products but as process reviews which can still evolve from viewing feedback.

(2) Personal articulations of video-realities projects
(3) Social interactions and consciousness mixing. Documentation of emerging culture lifestyle style as well as being an integral part of it (specifically concerned with the post-Neolithic community). Inventory of living Australian aboriginal culture (life-style, language, myth/song) as an essential work of asylum playing community. Alternative news service, World culture mix maps.

(4) Cosmic integration
- production of a comprehensive series of "Universe Scenarii" for assisting world literacy regarding world resources and man's function on the planet (educational programs as mentioned listed).

(bird/ware
Research
(1) Design of a universe image information integration tool for recording, processing, storing and retrieving audio/visual information from a computerized image bank of accumulated images of man's cultural evolution.
(2) Research (if possible), into developments in pertinent technologies e.g. photography (especially infrared), audio, video recording, viewing and storage (including computer); electronic microscopy, fiber optic cable information transmission, 3D holographic display, laser video projection, radio interferometry.
(3) Progressive survey of video tools as they become available. Test, experiment and feedback performance information on 1" video tape systems.
(4) Design modifications to presently available equipment for preferred functions.

Shawshank i.e. Organic hardware and Media Ecology.

Production
It is proposed to establish an experimental video workshop as a teaching-learning institution.

Design and production of originally invented/modified video tools e.g. Chrominance synthesizer, "open" Readwrite Video Recording, Aspect Ratio Tube, box box (for topological transformation of videospace), comprehensive mixing facility (at least mixing 2 VTR's, at mixing 5), Electronic camera, feedback loop exploration, subject color exploration, (a) Black/white revolving disc. (b) Land color theory, Memory box to color converter with filter-wheel, EEG Alpha-wave video modulations.

BUSH VIDEO FACILITY
It is proposed to expand the existing facility to include color mixing and editing functions with additional experimental hardware. The facility will be portable and will serve as a partially mobile base for taking the experiment out into the community. The facility will operate within a cultural context ranging from informatics to community arts projects, individual artists and colleges teaching television courses. It will do this by supplying a creative experimentation and training situation. The display venue for the software produced in a centralized location and a traveling facility touring communities, arts festivals, colleges and universities.

There is still an equipment shortage — indicated by the number of people who have used and want to use our equipment. There is a large amount of equipment which has had nowhere near the kind of use that Bush video's equipment has had, in the Universities and educational institutions — we suspect that it needs liberating — possibly a nationally co-ordinated liberation front. Can AUS use its influence here? There have been no official Australian film/circus or circus experiences. The access to the common computerised library, the Australian newspaper and a Travelling Show to tour the campuses. We are interested in both these ideas, but we haven't the resources to do them alone. A liberation of campus equipment would make them more feasible.

Access the video tool on your campus. It is in the faculty cupboards for restricted educational use. If you should wish to use it we would like to tour the campus circuit and meet and work with you. Bringing our mobile studio (the workshop centre) and tapes from other places (the distribution). We write into an existing situation on campus for one week and use video to produce a groups eye view by the following programmes:
1. Play back programmes in video theatre.
2. Play back tapes from other campuses and a universal language. Video may be the tool to create that language.

To access this tool in your situation.
On campus, many faculties have footpads for restricted educational use. Derestrict this tool. If you get access under a research project we would like to work with you and see your tapes.

We would like to tour campuses to —
- Produce exhibition context.
- Work and share experience to video.
- Disseminate our skills.
- Show tapes from other cities.

Take tapes to the next step for showing.


Wednesday, August 8, 1973.
INSIDE A MEMORY THEATRE

In Cameroon's "City of the Sun," a Utopia of astral magic is described in which the round central Sun temple, painted with the images of the stars, was surrounded by the concentric circles of the walls of the city on which the whole world of the creation of man and his activities was represented in images dependent on the central causal images. The "City of the Sun" could be understood as an occult memory system through which everything could be quickly learned, using the world as a book and as a "memory." The children of the Sun City were instructed by the Seleccan priests who took them around the City to look at the pictures, whereby they learned the alphabets of all languages and everything else through the images on the walls. The pedagogical method of the highly occult Seleccans, and the whole plan of their City and its images, was a showcase of local memory, with its places and images.

General principles of the Classical art of memory.
The first step was the imprint on the memory of a series of Locoi or places, the commonest though not the only type of mnemonic or mnemonic space system used was the architectural type. In order to form a series of places in memory, a building is to be remembered, the freeway, the living room, bedrooms, parlors, not admitting thirty and other ornaments which have been memorized in the building. This is done as soon as the memory of the facts is required, all these places are visited and their various deposits are reviewed.

The memory theatre of the Divine Carillo. "They say that this man has constructed an amphitheater into which whoever is admitted as a spectator will be able to discourse on any subject he spoke to him about his work. He calls his theatre by many names, saying now that it is built or constructed mind and soul, and now that it is a windowed one. He pretends that all things that the human mind can conceive and which we cannot see with the corporeal eye, may be imagined by the imagination, and this imagination may be expressed by certain corporeal signs in such a way that the beholder may at once perceive with his eyes and returns to unity, passing through the depths of the human mind. And it is because of this corporeal looking that he calls it a theatre.

On the stage, this was basically upon seven pillars, the Seven Pillars of Solomon's House of Wisdom. By these columns signifying most stable eternity, we are to understand the seven repertoires of the super-celestial world, which are the seven measures of the celestial and inferior worlds, in which are contained the images of all things both in the celestial and in the inferior worlds.

In his memory building the Universe will be remembered through a metaphor of association of all its parts with their underlying eternal order.
The basic images are those of planetary gods and under the images there were drawers of writings related to the subjects recalled by the images.

Today it would look like a large ornamental filing cabinet. But we should not lose sight of the grandeur of the idea - the idea of a memory organically linked to the Universe.

Giordano Bruno's Art of Memory.
A most solid foundation for the truths and secrets of nature. For you must know that it is by one and the same ladder that nature descends to the production of things and the intellect ascends to the knowledge of them; and that the one and the other proceeds from unity and returns to unity, passing through the multitude of things in the middle (Giordano Bruno).

The aim of the memory system is to establish within, in the psyche, the same order of intellect to unity through the organization of significant images.

"The Monads of Locob." Uncommon, says Leibniz, provides the matter of an argument: Methodologia gives it form; and Logica is the application of the matter to the form. He then defines Memory as the joining of the two. If there is a good thing to be remembered, and this image he calls a "monad." He then mentions that things seen are better remembered on things beautiful.

In this new mathematical-philosophy, says Leibniz, "monads" will be used as an alphabet. These monads are to be made as "possible," a universal nothing, they may be like geometrical figures, or like the "pictures" used by the Egyptians and the Chinese, though Leibnizian monads are better for "memory" than these.

As is well known, Leibniz formed a project known as the "charactertistica." Lists were to be drawn up of all the potential notions of thought, and in these notion lists were to be assigned symbols or "characters." The characters were to be used in combinational expansions to form a universal set or calculus for the solution of all problems. Allied to the "charactertistica" or calculus in Leibniz's mind was the project for an encyclopedia which was to bring together all the arts and sciences known to man.

When all knowledge was systematized in the encyclopedia, 'characters' could be assigned to all notions, and the universal calculus would eventually be established for the solution of all problems. Leibniz envisaged the application of the calculus to all departments of thought and activity. Even religious difficulties would be removed from the mind of man.

It was through his invention of new 'characters' that he was able to operate the infinitesimal calculus, which was not a fragment, a "character" of the never completed "universal characteritica."

The word Monad was borrowed by Leibniz from Barrow. Though Leibniz was a disciple of the philosopher of the 17th century has moved into another atmosphere and a new world he bears obvious marks from the Hermetic tradition. The Leibnizian monads when they are substances, souls having memory, have as their chief function the representation or reflection of the universe of which they are living memory.

If I were to choose a patron saint for cybernetics out of the history of science, I should have to choose Leibniz. The Philosophy of his master, René Descartes, is closely related concepts - that of a universal symbol and that of a calculus of reasoning. From these are descendent the mathematical notation and the symbolic logic of the presentday.

Norbert Wiener - "Cybernetics"
History of the Art of Memory adapted from Francis Yates - "The Art of Memory."
Man's powers of observation in time and space are very great. He is conscious of his awareness and expresses his consciousness in the symbols, rituals, architecture, and Institutions that he creates. These creations in turn act upon their creators, in an ascending spiral of ever widening loops that trace the limits of the world in which he lives. In man, the observer's role brings the participants into levels of consciousness that know no limits but those that he himself accepts as the ultimate stages of his own development.

If you look on the horizon of the present continuous eternity you will notice that a sea is rising called, "total communications" - that's our sphere - we are the new alchemists brought together by our perception of the Lapis in the cauldron of the Videogaph, for the last three months we have been exploring this memory scope from centre to circumference with telepathic and orbiting satellite dialogues with neighboring celestial bodies.

"Man can do nothing without the make believe of a beginning."

Who do we trust? Australia 1972

TeleVision ABC Channel 1234567890101 Neanderthal TV - this network is more to be poked than admired, it stands at the foot of an evolutionary ladder which it does not have the strength to climb. However, Universe consistent with its one-dimensional history is narrating several television strata. as cross-fertilizing agents bearing the genetic message of total communication systems.

BUSI VIDEO - sometimes known as the outback of communications research or Channel Infinity.

Right from the start we were operating on many levels - idea, materialisation, myth, design, meaning. Information is the media and the ideas are undergoing revolution upon revolution on the technical front and are consequently developing in the minds of artists, educators and scientists. The history of our century has been the result of the design science of buying and selling under the profit motive. In an age where science has the means to satisfy all material needs for all man the problem is one of free information flow. Capitalist Design science has served its evolutionary purpose it is now obsolete.

INSIDE THE MEMORY THEATRE

It is 1 am. I am locked in the memory theatre watching the monads of Leibniz passing through the one-eyed chambers of infinity through infolding feedback and the corridors of topology, spiralling amidst the Architecture of history, libraries, museums, computers, film-studios. The monads are moving in fluctuating geometric formations now they suggest a Hindu Yantra now a Klein worm, a Hopf sand painting, the helical structure of the DNA the crossed ladder of a virus or a dome by Buckminster Fuller. I call this show: THE DREAMING OF THE ELECTRONS INFORMATION STORAGE

Man has secreted vast amounts of Art and Knowledge in communicable forms, all this can be stored in a global memory and made available to all men. Somehow now we must seem to depend upon the extension of consciousness itself as an environment this extension of consciousness has already begun with the computer and has been anticipated in our obsession with ESP and occult phenomena." - Marshall McLuhan.

MUSICAL HIEROGLYPHS

As well as storage of this immense body of knowledge a new language synthesis seems to be required:

(1) To overcome the problem of possible overload and make retrieval practical - [the libraries of today are archaic forms in an age of electric information - the process is slow, bulky and inefficient - the word computer is straining its bounds both literally and conceptually. The new Memory Theaters would probably use a non-linear computer indexing with a light pen retrieval system.]

(2) It is difficult and inadequate to properly express concepts born of audio-visual dialogue in the present word language.

(3) The immunity of Information will eventually require vast second level indexing to facilitate reaching the first level of Information.

Therefore an integrated synthesis of the stored information will be required especially for the Institution or education of the young. This will probably mean the formation of a synecdoche audio-visual language which will be used by men to extend consciousness and knowledge in similar ways to the previous language synthesis - first as sound then as writing.

Elements of the new universal language could come from many sources not only the literate cultures of the West. Some symbol systems which would probably be helpful - The multi-conceptual Chronicles of the Australian Aborigines, the Mesoamerican codices and systems of Tacit Art, the symbols and systems of the Hermetic tradition. The Geometric extensions of consciousness cited by Anna Lyng extending from Jung's idea of the Archetypes -

"As ordering operators and image formers in the world of symbolic images, the archetypes thus function as the bridge between the senses perceptions and ideas." - to the genetic code -
NEGATIVE FEEDBACK OR MIGRADO

Ever-increasing man-made sensory environments necessitate comprehensive integrated design. Norbert Wiener, has pointed out the dangers inherent in man-made information systems, using the parable of the monkey's paw and the sorcerer's apprentice. — Many people today are alienated by technology because it is manipulative, elitist, too specialized, a pollutant — increase in negative feedback suggests that we must have harmonic integration of all universe forms and minds or we will self-destruct.

Negative feedback is the result of first industrial revolution in which people were alienated by the process but enlivened by the product.

SUBLIMATION

"The Alchemists: the esoteric philosophers of their time projected the concepts of their own inward unconscious world into the detail of the equally unknown processes which they saw similarly to bring to fulfillment in the outward world of their experiments. These outward processes came on their own part to act reflexively upon the alchemist by the suggestive power of analogy until he could feel them literally reproducing themselves as though upon sensitized film in the recesses of his own psychic being." — John Tripp: The fire-tied stone.

In the Second Industrial, or Information Revolution the product is the process and all minds partake in eternal realtime process, and creation.

Joseph El Khouly
COMMUNICATION AS SHARING OF CONSCIOUS EXPERIENCE OF ENERGY

Universe: The Sum of Man's Experience

Universe is finite because it is the sum total of finitely furnished experiences. - Universe though finite is a nonstationary structure-ergo, unilaterally untranslatable-ergo, conceptually unthinkable-ergo, ununderstandable. This is to say unendeatable. The measurable universe is finite, not infinite. It means that definability-definite is a subset of finite-ergo, pattern-defhition is a subdivision of finite-but-unattainable universe. The definable conception is therefore the first thinkable subset-functioning of universe.

The physical's Law of Conservation of Energy which states that energy may be neither created nor destroyed - that is finite-embraces only the physical aspect of experience. My definition embraces both the physical and metaphysical, the latter being all the weightless experiences of thought.

The metaphysical includes a mind extracted, redefining concentric and consciously formulated anti-entropic generalizations, in a hierarchy of progressively contracting degrees, which must economically describe the workings of the metaphysical subdivision of universe. - Buckminster Fuller.

- Man has no nature but his own history - his total history, electronically, is now potentially present in a kind of simultaneous transparency that carries us into a world of "heliotropic nought time."

- Marshall McLuhan

Humanity: Universal Anti-Entropic Function

Is the human an accidental "Theatre goer" who happened in on the "Play of Life" - to like it or not - or does humanity perform an essential function in universe? We find the latter to be true.

By entropy, we refer to the experientially demonstrated physical behaviors covered by the second law of thermodynamics and the latter's disclosure of the semi-accelerating-acceleration of the dilution of physical energy patterns of universe-spoken by the mathematical physicist as the "Law of Decrease of the Random Element", which may also be called the "Law of Expanding Universe".

By anti-entropy, we refer to the semi-accelerating-acceleration of the clarifyingly differentiated and intercommunicating experience derived, pattern cognitions of the human mind which progressively disclose the orderly complex of human-interactive, pure, weightless and apparently eternal principles governing the intellectual design and operation of the seemingly "heteronically" only-ininitely self-reproductive universe.

We may call this metaphysical phenomenon - which continually simplifies and contracts the generated description of principles apparently operative in all the special case experiences - the "Law of Decreasing Complexity", the "Law of Intellectual Contraction", or the "Law of the Contracting Universe", or the "Law of Diminishing Chaos", or the "Law of Progressive Order", or the "Law of Contractively Ordinal Generalizations".

While gravity's effects are physically measurable, the concept of gravity is itself unmeasurable.

Metaphysics and physics are thus seen to co-function, to progressively conserve the self-regeneration of non-coexistence and overtoppingly evolving universe. Man's function is universe is that of the metaphysical, anti-entropic function. He is essential to the conservation of universe which is in itself an intellectual conception.

Buckminster Fuller.

"E=MC. This said that the total of local system energy is the product of all concentric local systems of energy's self-determined, state-holding patterns (O for mass) as multiplied by the entirely non-interfered local omni-directional velocity of surface growth of an omni-directional, outward-bound spherical wave of radiant energy in terms of second power of the wave module frequency growth rate."

M equals all the locally complex, concentric, self-sustained, unique holding patterns of all energy, and

C equals all the eccentrically disassociative individual patterns of all energy (C being the radial or linear speed of radiant energy, which is approximately 186,000 miles).

Backman Fuller.

Energy

Universe is an all energy accounting system. E=MC. This said in the inherently subjective language of physical transformation of an omni-interacting and accelerating universe there are only two fundamental kinds of observable transformational changes, i.e., angular, or sub-atomic alterations and linear or plural unit frequency modulated acceleration changes. These subjectively viewed transformations of universe are also called angle and frequency modulations.

Angular patterns are the locally complex, concentric, self-sustained, unique holding patterns of all energy, and frequency patterns are the eccentrically disassociative individual patterns of all energy.

Matter: angularly cohesive gravitational inwardly shunted chordal patterning.

Energy: the linear acceleration of omni-directional radiant wave.

Life: an energy exploiting anti-entropic omni-directional radiant wave growth system.

"Life is a partial continuous, progressive, multifaceted and conditionally interactive, self realization of the potentialities of atomic electron states."

J. D. Bernal
The dual and regenerative human functioning as the vehicle, high frequency, subjective outweighs positive (unconscionable and conscious) which altogether preclude the angular and frequency decidability. The teleological irreversibility of human artificiation is internalized exclusively by two reflexes with which humanity modifies his/her experiences in Universe in perceived ways. The two physical principles by which a man may alter his own environment are those of angular and frequency modulations. Angular modulation (c.f. nodding) is erroneously spoken by way of mental manipulation. Even event modulation is erroneously spoken of by humanity in time modification. These capabilities of man's sense, brain and muscles are self-evidently the strategies and differentiations of experiences. The human subjective experiences are teleologically and spontaneously transformed into objective alterations of his/her environment evolutionary to most effectively support man's unique brain and mind functions in universe in the electrostatic circuit.

It is our intent to do control the angles and frequencies of the evolving environment encases that the spontaneous and naturalistic activity will fit an enjoyable shell of Earths and the productive reaches of the universe about it without mutual interference with one another's degree of subjective and objective freedom.

World

Because of the incessant wheezing about of humans, first in the womb, then in the baby carriage, then on foot, man in the plane discovered the spinning earth in a spinning solar system within an evervolving spatial spiraling galaxy, totally isolated sensory experiences are inherently connected when considered as the sum of observational orientations.

But the world, now is and will be writing its own owners for ever, man on all matters that fall under the ban of our infrastructural sense.

Finnegan Wake

The wheel of the wheel in the wheel of the world of the Book of Boolean has thus come to tour.

James Joyce  
Finnegan Wake

Apollo to the Moon

We have been caught in the "artifice of eternity" by the placing of our own nervous system around the entire globe.

The first satellite eluded "Nature" in the old sense. "Nature" became the content of a manmade environment. From that moment, all terrestrial phenomena were discovered progressively extended and amplified through the simple magnifying lens to the microscope and telescope, through the camera lucida, and through television and video camera, and towards sophisticated systems which record and amplify to create complex visual and visual patterns.

This development also encompasses the ways in which man has widened his "sensorial" monitoring to the electromagnetic spectrum through television. He can now "see" into the infrared, ultraviolet and x-ray frequencies, "hear" in the radio frequencies, and, may more delicately, "taste" or "smell" by characterizing that with his most sensitive skin areas.

Backus Fuller

The world can be thought of as a myriad of To Where It May Concern messages.

Wonders

These recent frequency waves emitted from the environment indicate man's new receptives, whose angularly co-ordinated channel constrains determine which wave lengths are directly apprehensible, e.g. as described above, the sound-generated frequency wave in the biocellular membrane is recorded by the bending and twisting, pulling and pushing -- angular constraining of the hair cells. This channel constraint limitation is reduced by the development of new electronic instruments which angularly modulate the previously non-angular frequencies into moody tuned repeatability, and further focusing lens modulates implying light waves.

2. Codification

:a: sensory relays record sensory messages, extracting signals of high relative entrophy from the thoroughly redundant sensory input -- so that redundancy is reduced but the message is lost. . . the sensory relays try to ensure that what they pass on really is NEW!

The Wonders

"Man's brain is a multi-frequency (four senses ranging) scanning (TV) integration, continually operating in co-ordination with a multitude of memory thinkers. Each specific sensory area, the wider array of new mind and memory T.V.'s is frequency monitored by an angular and frequency modulated pattern co-ordination, shading and focusing the corresponding channel capability. The TV. co-ordinating conceptual capability includes a score-generating and score guest testing facility, as well as the input patterner, consideration, all of which conceptual patternning polarities are self-started and regenerated by syngaptic cooperation. cooperation's self-directional relationships are only angularly configured and are independent of size or dimension.

Backus Fuller

In this manner, said II: although these various bodies share the brain, the medium is the most accurate of the kind, yet (as they are only part of the visible world) are far inferior to the real beings which are, in these cases, decided and real beings, in true number, and in all true forms, with respect to one another, and carry all things that are within them, and are comprehended by reason and the intellectual power, but not by sight; or do you think they can? By no means, represents a window.

The sensed radiant energy frequency wave message are decoded into conscious experience by intellect. Thinking is F.M. -- frequency modulation. It is the translation of the myriad of relevant energy-size frequency variable perceived by the sense receptors to leave a residue of tuned-in or accepted feedback mechanisms which are essential to the directional pattern and angular patterns. Intellation is cumulative pattern apprehension. Thought is perceptions of patterns in univariate and bivariate, its corresponding series manipulations into generalized abstract angular patterns.

3. Transmission

"In the beginning was the word" -- might be changed to "In the beginning of industrialization was the word" the first atmospheric wave propagating, ear diaphragm and heart, the phallic organ of a machine device invented entirely by intellec'tual's anticipatory conceptions of its usefulness and by man's subsequent conquests (fading off into sub-conscious) disciplining of muscles and nerves.

Backus Fuller

"The spoken word was the first technology by which man was able to get a good grip on the signal of it in a new way. Words are a kind of information retrieval that can range over the total environment and experience at high speed. By means of translation of some experience this symbol the entire world can be evoked at any instant."

Just as writing is an extension and separation of our mental and objective processes, the number is an extension and separation of our most intimate and intertwining sense, our sense of touch. A man or human ear can be connected to a radio receiver that is able to decode electromagnetic waves and recode them in sound, the human voice may be compared to a radio transmitter in being able to code electromagnetic waves..."

Marshall McLuhan

Thoughts abstract angular patterns are encoded by these苓the brain's sense receptors, and decoded by a sensitized energy frequency experience. These symbols ("physical formulations of an abstract teleologic device that becomes an interior" -- Marshall McLuhan) "(atmospheric wave propagating) modulated by angularly co-ordinated channel constraints "(disciplining symbols and nerves into preferred patterns of symbol circulation. Marshall McLuhan).

Towards a General Theory of Communication

Within the general system's network of all experience universe, "communication" has been defined as "the sharing of conscious experience of each other". This is the obvious sign of this energy-experience information from a sender to a receiver. We have proposed that this process consists of four sets of events:

1. RECEPTION of energy message from the universe.
2. CODIFICATION of these received messages into patterns.
3. TRANSMISSION of these coded pattern messages by informational-synthesized tools transmitted by media.
4. TRANSACTION of these information symbols by a society-culture-communication energy environment. Of course, this is a linear statement of what is in fact a continually reproductive feedback cycle of the reception, transmission, transaction, transaction-reception-transmission of energy information messages. Consideration of the angle and frequency variables of the manbound sensory channel will result in its sensitivity of fine four dimensional occupancy of universe.

Backus Fuller

The myriad of energy experience information fed back into the social order in the many patterns of social transaction, by culture. Culture is frequency modulation. It is the turning out of irrelevant variables, and the selection of variables that are encoded into "the distinctive patterns of living". These patterns are translated and transmitted by ways of the "communicating" means of communication, and environmental controls which, with tools, angularly modulate the energy environment in preferred patterns for metabolic and intellectual survival.
MESSAGE/MEDIA MATCH

To recapture the lost information on the phases of the wavefronts it is necessary to add a second uniform optical field of high brightness, light sufficiently powerful to make the amplitudes of the original and added fields everywhere positive,...

To make a hologram, coherent light, such as that emitted by a laser, is required. The signal must be diffracted by the object of which a hologram is to be made so that an apparently haphazard pattern of light and dark is formed in the wavefront scattered by the object. After the hologram is recorded the reference beam is directed straight at the hologram plate where it interferes with the wavefronts of the two beams either augmenting each other to leave a bright spot on the film or cancelling out to leave a dark spot. The information contained in the hologram is just that information describing the wavefronts themselves, whereas ordinary photography can record only light intensity.

R. J. Thompson and G. B. Parrent, Jr.

In holography, wavefronts are recorded in direct frequency and angle terms. Omnidirectionally expanding waves of light frequency messages are frozen on the film in the form of the wavefronts by which they may be reproduced. A hologram transmits direct waves at all angles.

The fine structure of the hologram acts as a highly complicated diffraction grating and generates wavefronts which depart from the hologram at different angles.

These light energy wave messages are transmitted by frequency modulation (or, more accurately phase modulation).

"Just as an electric wave can be modulated to serve as a carrier of information (about sound, say), so can the interferometrically produced wave pattern be modulated to serve as a carrier of information about the light waves that produced it.

Holography has many extraordinary message matching medium properties because every point on a holographic wavefront is a hologram of the hologram. If the film is broken into pieces each piece can reconstitute the entire original image — it's like DNA, the genetic code of the cell. For example, a very limited frequency light wave, which the naked eye can see but do not even recognize, may be read by computer as an image.

Holography..."
The synergistic anticipatory capabilities of intellect in the quantum realm of reality, together with its memory and potentialities of universe and the anticipatory strategies evolved by intellect to test such hypotheses, imply the possibility of a velocity transcendence of consistent functioning over omnipotence functioning which could manifest an intellectually represented evolution of mankind in the universe in its gradual synergistic intelligence. Intellect's comprehensive anticipatory objectives indicate a speed of functioning transactions that intellect can be "easily" extending and all-encompassing universe as it and each next good question.

"Buckminster Fuller, "The earth is like a black piano only perfectly in key. If you looked at it with good eyesight, you might find a few notes out of tune..."

TRANSMISSION

Are these examples of transmitting channel constraints turned to frequency messages?

"Resistance is that special kind of forced vibration which is manifested by the way the system responds to the frequency of activation — the lattice provides a sound compounded of many frequencies of vibration. The way they change the shape and size of these cavities we can measure the resonant frequencies, and the nature of these frequencies have different proportions of the various harmonics. The quality of the values depends upon what harmonics are activated...."

-- Alexander Decha"n

An Arab is anyone whose mother tongue is Arabic," says General Abdul Nasser. It is not only the chief bond, but it has taken a rôle in setting the step to a rhythm and resonance, not meaning and context. How potently in Arabic speaks it far more important than what it says. "In Arabic," أحد_means one speaker, "the medium squared is the message."

"Arabic Decipher: A People Self-Defiled in the World Beyond the Moon."

The Internet selects a station by turning its receiver to the appropriate frequency. An electric circuit consisting of a coil of wire and a condenser has a natural frequency, that is, to say it will carry an alternating current at one particular frequency much more readily than any other. A condenser is simply an arrangement of two metal plates which are spaced a small distance apart, and the plates in such a circuit, and by moving it the "resonant" frequency is changed.

Nigel Calder

Sufficient to say that harmonically the frequency is the message. Just as the media modulate our messages by the transmitting channel constraints. All of us can electrically. In the last section we saw that the radio-telephone medium is providing us with the medium for a new language of energy experience. Our hypothesis of communication as the flow of energy across space is therefore validated by electricity's integration of energy and information.

"Very attractive as communication is interplay in the electrical, which combines energy and information in its intensive manifold — today it is the instant speed of electricity that, for the first time in human experience, has replaced the long and the formal content of change and development." Marjach McLean.

Then, says McLean, electric light is pure information, the pure form of the message.

"OK. We like to transmitted media messages of pure energy, and what is the language of pure energy? It is the new electronic communication technology."

"If TV were shut off that could end the war in Vietnam — the same time set back the Civil Rights movements...."

McLean. Oh, yes. But there is an alternative: PM communication, which is the radio-telephone medium, is an unusual intensity to a new hot level. This might serve to reverse the whole effect of TV. It might make the TV image photographically clear. So hot and dirty. Bell Telephone are now operating with 8,000 line TV images, not 800, quite outside the fidelity of any known photographic process."

Conversation with McLean, Encounter June 1967

OK. Different amounts of information elicit different appropriate reactions in the transmitting channel constraints. What reactions? How is this related to the channel capacity of the human eye as it becomes another screen? The number of a television transmission determines the vertical resolution only; horizontal definition is a function of how many transmitters from black which are redefined in a picture. The line itself is a function of how rapidly we can switch the picture tube electron beam on/off which is a function of the electromagnetic spectrum and man's energy experience.

TRANSMISSION

"and the instrumental points to paradise show its to be a comprehensively coordinated dynamically equivalent to and under the respective complements of reality, wave-frequency patterning growths..."

McLuhan, "to himself, to the "evolutionary, wave-frequency patterning growths" of the universe energy environment, because he himself is a medium, each man individually, and in each individual man appears possibly to one of the individual sequence integrations of complex patterning consequences of all the otherwise permitted but form of equally electric patterning of total universe..."

Thus man naturally and now consciously mediates harmonious transactions of energy and information with the environment — within their respective laws of conservation.

Firstly, of energy. As the great anti-electric man reverses the entropy-increasing tendency of thermodynamics by his progressive conversion of energy. This second law of man is that "in a life large" visible patterning integrity which both corporately and extra corporately and in our universe is incompatible with the preconceived patterns permitted in principle... which he processes most often with subconsciously co-ordinated limbs, but when his intellectual threshold moment in history consciously participates in to uniquely successful degree whose directional concerns are all the same principles," as are the locally dancing water molecules "impassably resistant in the abstract reality for instance..."

Buckminster Fuller, "The earth is like a black piano only perfectly in key. If you looked at it with good eyesight, you might find a few notes out of tune..."
GENERAL


PERCEPTION


CODIFICATION


TRANSMISSION


Symbols, Signs and Noise, John R. Pierce.

TRANSACTION


The Human Use of Human Beings, Norbert Weiner.

3D TV

"...vision and warm fans belt the starry cold pains of yonder:" (B. B. Bouchard, Ch. 14).

Now that we got the typewriter set up, what'll we write about Karl?

Well, we can talk about hardware, software, or Karl.

What about mediumware?

That's shakeworthy.

Think before coming to any decisions on this matter I’ll try to elaborate on the data from which we decided to write down the term “ware” where does the word “ware” originate from Karl?

At the last guess, I'd say that it came with the Angie-Saenz, when the Swedes and the Dudes invaded England in the Sixties and Seventies.

Could it have anything to do with... in it was in wrought iron junk maganese hydride?

Karl, an old word, a really old word; that's it, I think.

Has it got anything to do with “software”?

Only insofar as notions can be wrought.

I can assume then that if a person said to you 'hey man, that videophone was wrought in black and white’, you would immediately have a good approximation of a picture of what (this Given person) was getting at?

Yes or no. But you have a look at the dictionary again - getting a bit accurate here from no point of view, it would be strange that this rhyme still be in film because although it may suppose videotape rolls as well. However, the person making such a statement either implies that he understands the aspects that make a video, or that he knows nothing whatsoever.

So, before making this decidable decision upon which type of ware to comment, do you or anyone here think that Karl would be in a very good position expressing mathematics in any context including that of the chairness of the meaning of storage boards? Yes or No?

Me again?

And I've just been informed that dinware is hate because it implies a sort of beauty in steaks. We really do to decide, brothers, you know, because the fourth dimension is catching up on us in the form of the second dimension which we want to explore at the bottom of the sheet.

Karl, the lowest common denominator, makes his way to videophone: that anybody can muscle (wrought) their way in; whereas the highest common denominator is the separation of the muscles via an edged state. (Sorry for editing that speech of yours, Karl, I'll settle you up on the screen with the tape. You think that's fair enough."

Weightly, beauty, okay, terrific — so that's what (the exchange) exchanges?"

So that the further interest of videos show themselves through being shown, Righties, now we are serious.

OK, why don't we just talk about three dimensional video for a while, hey?

Three dimensional video.

"Right-ho, "where are we?"

"Okay, hang on, what do you reckon?"

The way of three dimensional video is as follows: one two crossed pen Karl Cells mounted in front of the screen.

Yeah, go on.

Switching from one to the other alternative viewing window either: thus generating 25 dextro-orientation mirrored images is tempered with 25 left-orientation mirrored images.

Two: When played back onto a monitor with a similar arrangement of Karl Cells, the observer sees viewing glasses which are dextro and dextro-orientation polarized lenses, both the left eye and the right eye receive 25 images (independent) per second.

Modification to number one: 2a, One (a): Instead of one camera we need two cameras turning on and off alternately, the combined information going through one videotape and being played back through ONE monitor.

Three: The right eye receives information obtained only by the right hand camera and similarly vice versa but separated by chromatic space of one frame.

This providing almost all the requirements for genuine black and white threedimensional vision.

What are you saying about, Karl?"

"I’m talking about reality of perception without necessarily implying reality of perception..."

"Where does that go to, or alternatively, what conceivable good can be wrought of it?"

As a purely abstract statement to a really terrible question, I reckon that a lot of good can come of:

MAD JACK AND KARL WHEELBARROW

MEDIA — VIDEO POINT

ACCESS — "newswire for individuals and organizations interested in or participating in Public Access Television", Write to him for inquiries — names D. Smith, Granos Project, c/o Theban, 56 West 74 Street, 1A N.Y. N.Y. 10023.

APRIL VIDEO COOPERATIVE "produce a publication called Beyond the Frame, which is the point of out information relevant to video people. To subscribe send information to P.O. Box 132, Beverly Hills, N.Y. 10349.

CABLE INFORMATION — newsletter for Churchmen, educators, and community leaders. Yearly subscription 510, 475 Riverside Drive, NY 85227, N.Y. 10027.

CATS VIDEO TRAINING MANUAL — basic television technology, equipment operation, shooting procedures, editing, fieldwork etc. Send 50p, 15 Prince of Wales Crescent, London, N.W.1. (it's good too)

GUERRILLA TELEVISION — Michael Shamburger and Rundace. High information covering the evolution of alternate video, its hardware, groups and future. For information write Gordon & Beach — Suite 1304, 440 Park Avenue, South, N.Y.C. N.Y. 10016.

HANDBOOK FOR COMMUNITY MEDIA introduction. 360 Room, 340 Madison Avenue, N.Y. N.Y. 10021.

MAGNETOSCOPE — news on hardware, production, equipment. Quarterly subscription: Video White Light, P.O. Box 289, Placentia Station, N.Y. N.Y. 10024.

MEATBALL — Dutch/English international video newsletter, approximately 80c, per issue. Hartogstraat 5, Hague, Holland.

METROMEDIA — Print-out a monthly newsletter of the Metro Media Association of Greater Vancouver. Print-out, 0151 West 44 Ave., Vancouver, B.C., Canada.

RADICAL SOFTWARE — High information magazine covering the spectrum of alternate video and interrelated technologies — subscription queries — Gordon & Beach Science Publishers, Suite 1304, 440 Park Avenue, South, N.Y.C. N.Y. 10016.


URBAN TELECOMMUNICATIONS FORUM — 12 issues 0151 West 44 Ave., Vancouver, B.C., Canada.

VIDEO IN COMMUNITY DEVELOPMENT — Hepkins, Eevs, Kirk & Herman (eds.) 1972. $4 approximate distribution work — hardcover setting up and operating projects. 15 Prince of Wales Crescent, London, N.W.1.

VIDEO EXCHANGE DIRECTORY — directory of facilitate tape exchange as a means of communication, and to encourage the use of video as parallel information medium. 4444 West 2nd Avenue, Vancouver 5, B.C., Canada.

VIDEOTOOLS — Big equipment catalogue with helpful hints on production and editing. C.T.L. Electronics, 86 West Broadway, N.Y. N.Y. 10003.

Addis Thom, NY, July 73
We pass from the immediate present world into time machine parameters. First stage is the image access modon where visual records of present, past and past present future are imprinted and codified electromagnetically. These keys punched will trigger a scan of the total record resulting clusters of image values and forms according to the binary coding co-ordinates. We have used numbers from the random number generator in the last co-ordinate planes. A random spread of image values will result. We take three cassettes and walk to the central room. Stop cassettes into these machines and watch the countdown on three screens climb into position at the mixer and those screens erupt with imagery and now test the slide controls.

The large monitor on the right shows the mixer output and with the punch of a button it cuts from images of jungle exploration to scenes of the last Moon mission. Move the sliders and there is a gentle mix of a huge tapestry reptile scaling its rings around the last rocket stage getting ever smaller as it disappears earthwards. Punch in machine three, cut from reptile to viruses drifting toward human cell walls, the dead shell of the rocket disappears into the point and flame erupts through the whole of space enveloping the virus, penetrating cell walls. Its heat, Gulp that knaps and ease it round - the flames cool to move then green. The electron microscope jumps in several magnifications superimposing virus structure over the command moduel in complex metamorphoses of similar forms. Suckling this thin cord into its tail it drops the astronaut to its side. It leeches through the port in the virus wall a switch flash and he frisbees through huge gaps between intersecting vines. Sunlight filters downwards past huge parrots as the sappedman increases in size till the whole forest fills the envelope of his skin.

The forest fades. Black are replaced by button vines become oxygen lines. A screen flashes within the screen and we are in video contact with earth.
COMMUNITY OF LIKE INTEREST

COMMUNITIES

INTERNATIONAL LAW

Every Island, no matter how small, has its boat of territorial sea, but extending beyond the three mile limit by "perception" is yours if you use it. Occupation is the most satisfactory claim to the sea-bed. Military and civil use of the sea-bed is the same as freedom of the seas.

BROADCASTING AND TELEVISION ACT

The Board Considers:
What you put in, in equipment or system.
Who operates the stuff, as regards staff.
Where you put it, the location.
What input of power.
What operating frequency or bands.
What hours you broadcast, times.
How much Aussie content.

A person who puts a boat on the sea, but in water adjacent to Australia -
Establish, maintains or uses any station or apparatus for transmitting broadcast programmes by means of wireless telegraphy
Penalty $1,000 or a term not exceeding five years.

Proposal for Mini-TV Broadcasting Station for Remote Settlements

Small self-contained TV broadcasting stations are proposed for installation in northern communities to facilities communication, stimulate cultural development and encourage interval and inter-community involvement. The mini-TV stations have the advantages of low cost and simplicity. Also by virtue of territivism and lower power, these stations would be free of the complexities of channel allotment and interference.

The mini-TV units are made up of a standard broadcasting unit costing $2,000 with an input from a video player, camera and microphone, or microphone relay. Back-up equipment of the Sony 14" format would include a camera, video-encoder, and miscellaneous gear costing around $2,500. The system has effective FM radio broadcast which can be used independently with a bonus of the video picture, allowing $500 for installation and training the total package amounts to $5,500 per unit.

Probably the mini-TV stations would be operated by volunteer legal groups to optimize community involvement. Effective communication would be encouraged ahead of demands for fixed broadcast hours or quality of technical presentation. The mini-TV stations could operate independently or be part of a mini-TV network. The format of the Mackenzie Institute in Inuvik is suggested as this group operates independently but has representation from all social and ethnic groups. With a mini-TV network programs can be bicycled and repeats facilitated by the direct exchange of faulty components.

A demonstration Mini-TV unit is now underway under the authority of the Alaska's Education Broadcasting Commission. This demonstration is being carried out by the University of Alaska's Division of Media Services utilizing the small village of Anaktuvuk Pass as the test site.

It proposed that a similar demonstration unit be set up in the Canadian North. The facilities of the Mackenzie Institute in Inuvik are available to this demonstration. Since the Mackenzie Institute has a complete Sony 14" TV production studio, there is a close association with the Inuvik CBC station, and as most Inuvik residents have TV receivers, the mechanics of operating a demonstration are simple and relatively inexpensive.

The Mackenzie Institute has been operating in Inuvik since 1967 along the lines of a community college and has been active in educational television since 1969.

The minimum cost of a mini-TV demonstration would be $2,500 to cover the cost of purchasing a 10-watt TV/FM broadcast unit plus $500 for travel, supplies, videocassettes and the production of a report. If additional funds are available it is suggested that a local student or group of students be hired through the coming summer to staff the mini-TV demonstration. A further $1,000-$2,000 would be required for this aspect.

Richard M. Hill

For information on how the programme is progressing write to Brian Thompson, Indian Brotherhood of the Northeastern Territories, P.O. Box 2338, Yellowknife, N.W.T.
LEGAL MODEL FOR GUARANTEED
COMMUNITY ACCESS

CENTRE FOR ADVANCED
TELEVISION STUDIES

We would like to submit the following
suggestions and recommendations for the
consideration of the Minister of Posts and
Telecommunications relevant to
programming originations for transmission
over cable systems.

Given the stipulation by the Minister
that "programming must be all of a kind
specially designed to appeal to the local
community of the area served" and that
origination equipment now exists and is
being used by community groups in
North America to originate their own
programming for cable transmission, we suggest,

1. Community groups already existing in
this country using videotape equipment to originate programming for
internal purposes could now provide
programming for cable transmission.

2. That in principle these groups
should be able to make such
programming without external editorial
control except for normal legal
constraints and that they should have free
access to local cable systems.

3. That community groups without
access to production facilities should be
given access to such as is necessary for
programming for cable transmission.

Further to these, and the list of factors
forwarded from the conference on
Communications and Community
Development (copy enclosed) we submit
a possible model for allowing community
access to programming for cable systems,
for your perusal.

Licensing of Programme Originating
Bodies

A licence be granted to two
programme originating bodies using the
same carrier that be the community
access umbrella organization and the
cable company, each of them being
separately responsible to the Minister
for their programming.

A Community Access Umbrella
Organisation

The organisation should be in the
form of an association or a
non-profit-making trust or foundation
where whose objects are solely the production of
programming for the
community and in part to provide this
programming for cable transmission. It
will establish a production group and
provide production equipment and make
sure it is made available, without
prejudice, to all members of the
community who wish to use it.

Structure

The organisation will be open to
membership by any individual or
group within the community.

Representatives of each constituted
group will constitute the policy-making
body of the organisation and will be
responsible for ensuring representation,
for finance, and legal liability for
programme content.

It will also appoint staff to service
production and administrative groups
who will be under its control.

Servicing Officers

A number of paid officers of the
organisation will be appointed to
administer programming services under
the following categories:

1. General administration and secretarial
2. Accounting
3. Research
4. Community Communications
facilities
5. Production assistance
6. Technical assistance
7. and will work with community groups in
assisting their production.

Production Facility and Technical
Standards

Community access to a scheme on a
broadly representative basis necessitates
the use of highly mobile and easily
portable videotape recorder equipment, so both 1" and 3/4" VTR
equipment shall be used for originations.

For final editing this material will be
transferred to 1" VTR, allowing editing
and a final transmission signal of
adequate quality (this method has been
fully employed and found adequate in
similar schemes in Canada). Purchase
and/or access of both these facilities shall
be ensured.

Editorial Control

Member groups which from time to
time participate in programme production
shall be responsible for editorial
control of their production except where such
production is considered libellous or
obscene.

Access

Access to production facilities and
transmission time shall be open to any
group, without prejudice, on a first
come first served basis or a time-sharing
basis, to be decided by the policy-making
body on the basis of availability.

Finance

Participation of these groups within
the association in programme production
should not be precluded by lack of
sufficient funding. The funding could
come from a number of sources, e.g.:

1. Grants from Charitable Trusts
2. Grants from Community Development
   agencies, including Local government
   and National government agencies
3. A reasonable portion of subscriber
   licence fees (as in Canadian example)
4. Grants from Educational institutions
5. Charitable donations.
Hugh Guthrie. P.M.G. We'd like to talk about communications and to use video in a worthwhile manner. This is one of the best uses that you can put video to, it is saving the transport time and is non-polluting. If we had to fly to Sydney we would have used 3000 gallons of kerosene. These are the sorts of things that we would like to look at in talking about communications.

We'd like to use communications for the benefit of the community. That may sound grand from an organisation like us - but as well as getting a return for our money we want to provide the community with a tool.

Dr. Albert Syer, P.M.G. We hear all the time what technology can be doing and I think we can be quite sure that technology can do what ever we want. What we want to do is find out what the community wants then change the technology to fit that and this is where we are not getting enough feedback. So one of the purposes of this exercise is to find out what you people want in representative of the community - over to you.

John Kirk, Bush Video - What you need is a facility that is accessible and flexible. I've read about some people in New York who have an OB van and they pull up alongside some telephone wires and plug in.

Albert, P.M.G. When you say plug in do you mean in an active or a passive sense.

John Kirk, R.V. I mean going out into a community and reacting with a postapalm and plugging into a cable system for wide distribution of that information.

Albert, P.M.G. - That's off line interaction - I'm not rejecting it - what we are doing now is on line interaction. I think we are too inhibited by technical limitations so that we don't think of what we would like it to do.

Mick Glassmore, R.V. - On the large scale we'd like to have instant communication between any two people in the world that is the ultimate video communication. Why haven't we got global T.V. now.

Albert, R.V. is still a median that radiates out from a source.

Mick We want consideration is interaction to see if communication is possible between human beings irrespective of space and time. Millions of people all around the world talking to each other.

Albert. There are 3000 million individuals in the world. What is the reality of that kind of hokum?

John Kirk, I think its fairly simple the more people you want to reach the more energy you need to get that information across. This is a point by point basis you need a high frequency grid with points on a grid and a system whereby each of those points are accessible. So that the social reality is that people can get in touch with the next group of people.

John Craig, P.M.G. Similar to the subscriber telephone network.

Albert. Community interest comes into the whole thing. Historically community of interest was the tribe or village around you and with these you could communicate through your normal sensory functions is it that community interests developed into a mental attitude were the community of interests is really wide not necessarily on a geographic basis but on an intellectual basis.

John Kirk. People in Malaysia or Indonesia are in a very different situation in the sense that.

Neil Edwards, P.M.G. The other day we went to Macquarie University to talk to a guy who is an ex-journalist and he was saying that the underdeveloped countries and the iron curtain countries are scared stiff of the kind of thing you're talking about. They are scared of being swamped by western cultural values and technological values - the upwards and onwards technological values of this kind of medium.

What do we do about this. We have to therefore say. Well this part of the world can have this medium because they want it whatever that means and another part of the world doesn't. Well that really could be a hang-up. We speak about global village and things like that but we are going to be screwing up the villages that are really villages.

Michael, R.V. But it is also a fact that when this sort of things happens a kind of world culture perception that nature generates an awareness in underdeveloped countries of their own culture. These are examples of how both have worked together. Also the traditional culture has been re-emphasised. There is a balance between the future and the past.

John, P.M.G. Surely in most of these cases the traditional cultures that you're talking about are not being stimulated but are being killed off.

Albert, P.M.G. I was wondering if you are not becoming dependent on what technology has made possible namely instant communication over the world discovering common cultures elsewhere and I don't know whether we often look too far ahead rather than looking at our own grass roots. There is a danger of us disparring ourselves. When you talk to older people they are really worried about the fact that someone gets their thrust cut in Tambikie they know it all over the world five minutes later.

John Kirk. The governing parameters of the information network that broadcasts news all over the world via satellite aren't geared towards the interest of the people. What does it matter if a guy gets his thrust cut in Tambikie to somebody in the street here. - I mean it might matter and it might not. The only way to affect the control of what goes through the media is have the people who are receiving the information have some sort of selection so that they can scan what's coming in and work out what is relevant to them and what's not. With broadcast T.V. you can't get that choice.

The way to get around this is to get back into your own community and start finding out what's going on there and then build your perceptions outward. - That's the way I feel about it.

Bill Laverty, P.M.G. Do we need video. Why not just Audio? Is it more important to put telephone in South America or video between U.S.A. and Australia.

John Kirk. When you look at the whole information problem its not just one type of information but a lot of different types and there is a use for transmitting facsimile and there is a use for transmitting just straight visual information that we are seeing now not necessarily in the form of talking heads but maybe people performing real time skills that they want to transmit to another point. so people can learn. It's a matter of working out what sort of information you want to put across.

Bill, P.M.G. I think also putting priorities on what sort of information you want to convey.

John Kirk. I think the educational T.V. system in Brazil is a pretty interesting one. It is a satellite link. They take central programmes and broadcast them to the whole country. But not an interactive network but a central point radiating.

Neil Edwards, P.M.G. Are we going into something which may snowball into something we don't expect.

How careful we be when we make decisions to go into these things.

Hugh, P.M.G. I think you have it all mixed up. The kind of communication system that I see that is a community generator is one that is an extension of my nervous system one that satisfies only one person at a time.

John Kirk. Meld's got an interesting idea in his head - that is a universal image bank - think there are probably two sorts of needs - one is person to person communication and group to group. and the other is accessing general information when you need it. He is a matter of having a flexible enough system to cope with that.

Albert: You're approaching here an area which needs to be recognised. The more information is stored the more complete it becomes to retrieve it. The problem arises out of the fact that there are more and more people generating more and more information.

Michael. At the same time there is an explosion of facts there is an implosion of the principles that are holding these facts together. They are pretty well in the evaluation of science. If you could just put that sort of information into the computer that is integrating the data.

Albert. The sheer fact that you are sitting here to raise an extremely interesting factor until a few days ago I didn't know of your existence. And at the same time we are trying to think the same problems out.

John Kirk. I think the way the video groups operate internationally is interesting because in one respect they are tuned in very closely to what's going on working with people in both working video processes and just straight documentation. And a lot of these people travel and when they do they take tape and there is quite a bit of cross-fertilization in the type of software and also in video concepts of how this tool can service a new communication and move and a new information system.

Joseph, R.V. I think we have reached that evolutionary point where we have to make really inspired and expansive communications experiment with wide crossings of people who aren't familiar with high technology so that these people be given a chance to contribute to the creation of a high information environment.

So on the practical level I'd like to suggest a series of projects which we could possibly cooperate in. There are a few just off the top of my head.

First a link up between rural and culturally Aboriginal people in the centre and the north of Australia with de-authorised Aboriginals in the cities and towns of the East. Secondly, a two way cable system in the village co-operative in Nhuluny which is trying to integrate the local of the craft orientated technologies with newer technologies.

A third area would be in a high density city situation possibly in a housing development situation as there are a lot of video groups interested in working with these people.
Challenge for Change

The potential of video as a vehicle for change can best be illustrated by reference to the Canadian government-sponsored "Challenge for Change" program—the first ever application of UTV in community organization.

Back in the late 60's, one of the teams organized to organize, planning with the "Vereins de Citoyens de Saint Jacques," a dynamic citizen organization operating in one of the poorer areas of Montreal. As part of the initial foundation meeting of the organization, the citizens voted that the most critical problem facing their community—and one which deserved immediate attention—was its record of bad health.

When it started to become obvious that the lobbying of provincial and civic authorities was proving ineffective, the organization decided to take the problem into its own hands. An apartment was rented in the area and subsequently renovated. Medical and dental workers who showed interest in the idea of a citizen-run community clinic were recruited. Soon the clinic was operational.

Within the context of what was taking place, the Challenge for Change team saw its main role as that of "demystifying the inhumanity of the area to the common problems and to communicate the community's hope that together, they can change their situation."

The team's first program was a series of shows and workshops on the causes of ill-health in the area—bad housing, unemployment, inadequate welfare, sparse recreation facilities, alcoholism, etc. These shows were accompanied by a smooth commentary on the part of the announced. The show was shot at the point of heated confrontation, defined a particular need, pointed out a solution and therefore the most newsworthy. A dull twist to Upper Manhattan P.A. Cable TV may present the viewer with a totally different picture. He may begin looking at the type of a group trying to organize the strike—the nature and reasons for their involvement and community concern.

Public access cable operates free of the necessities of the commercial format: that the meaning of events and the presentation of them is of more importance than the honors removed the reach of the reticence and timidity people in a group of strangers they talk... to being people who are connected to the collective solutions of a public.
The Borough of Camden is part of the metropolitan London urban complex and has a large urban redevelopment programme. As a result of the increased housing density in the area, there has been a significant change in the community. The council has been working closely with residents to ensure that the changes are beneficial to all. In recent years, the Borough has been successful in attracting new businesses and encouraging existing ones to expand, which has led to an increase in the local economy. The council has also been working hard to improve the quality of life for its residents, with initiatives such as the installation of public art projects and the provision of new community centres.

"ARCHITECTURAL DESIGN" and "CAMDEN HOUSING REDEVELOPMENT PROGRAMME"

RICHARD ROBBINS

The housing cost squeeze is one of the most serious constraints on the design of new housing. Perhaps it is necessary for the Borough Architect or Residents to determine what acceptable residential densities can be achieved in order to keep them high and secure. The reality of the housing situation is that so many thousands of people in Camden, the £320,000 tests for North London are being carried out in their own homes. Equally irrelevant to them are the architectural merits and design of the scheme. All they want is somewhere clean, warm and decent to live.

Selfridge speaks enthusiastically of the men who made millions out of property deals. These same men have caused land values to rise so much that the Minister of the Environment, himself a one-time developer, recently condemned Camden's application to compulsorily purchase the former Eston Square site for housing, being near the bank at the time of purchase, the cost of an acre of land was £376,000. In 1960, homes on the site would have fetched £1,000.

Parts of Camden today look like Belfast without the bomb statistics. Bullets, broken windows, concerted attack, roses abound in the wind. Pavements are broken and rusted. Gospel Oak has virtually disappeared. The streets still there, in odd corners you can still see the Maybe the people and buildings have almost gone. Only Camden knows where. So much of the rentable housing stock has gone, that one area often comes down to the cost of a home at land line is £376,000. In 1960, homes on the site would have fetched £1,000. Camden's application to compulsorily purchase the former Eston Square site for housing, being near the bank at the time of purchase, the cost of an acre of land was £376,000. In 1960, homes on the site would have fetched £1,000.

Challenging the Housing Problem, bad schools, urban blight, mental illness are all part of the pressure brought on the people by the economy. If you are homeless, you are 100% homeless. If you are unemployed you are 100% unemployed. We can either pay lip service to the problems or we can do something about them.

In Sydney at this time it has been possible to assess that - based on overseas experience, particularly that in Canada application of video-tape facilities and techniques at the simplest level, with high-speed production and equipment and maximum use of operations has the greatest potential for achievement.

Challenge for Change means not only that a new community is being set up, but also that it is being run by the residents. This is what makes a difference. Through the use of video-tape and television techniques, it is possible to reach out to those who are otherwise cut off from society. By using these methods, it is possible to create a sense of community and to help people feel more connected to their environment.

The material produced so far has been applied in a number of different ways. In one situation, a community group in South London has used it to produce a series of films targeted at young people who are at risk of exclusion. These films have been shown in schools and community centres, and have been successful in engaging young people in discussions about important issues.

In another situation, a group of residents in a deprived area of the city has used video-tape to create a record of their history and to document their struggles against the authorities. This has helped to raise awareness of their situation and has inspired others to take action.

Overall, the use of video-tape and television techniques has been successful in creating a sense of community and in helping people feel more connected to their environment. It is an effective way of reaching out to those who are otherwise cut off from society.

Challenge for Change is an open access community television project which has been operating a series of pilot programmes in South London for the past six months. It was developed by the residents of a housing estate using video-tape and television techniques to break down barriers within the community at all levels. The project seeks to give people the ability to communicate more effectively about the problems which involve them. It also provides a medium capable of assisting the community in accepting their responsibility and constructive self-assessment of these problems. Although this is a locally developed project, it parallels closely the concept of a similar structure of the same name. The Canadian Community Radio Board of Canada has its origins in film and in some cases has reached the use of portable video-tape facilities and techniques at the simplest level, with high-speed production and maximum use of operations has the greatest potential for achievement.

The project has been widely praised in taking the initiative of making use of video-tape techniques and television techniques to create new forms of communication, particularly for people who are at risk of exclusion. By using these methods, it is possible to create a sense of community and to help people feel more connected to their environment.

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The problem can be seen as having its cause in the overall domination of the communications media by business principals rather than the need to disseminate information and opinion — domination by the need to measure achievement in terms of profit rather than social improvement.

Probably the greatest weakness in the media today is the shallow level of its dealings with people and the realities of their day-to-day lives. The mass-media seems to offer to live on fantasy and the unreal dramatization of real situations. The result is that the few essays into the real problems of society which do occur are generally buried under the central and opportunistic man of day-to-day so-called “reportage.” The elements of truth are painted with the brush of sensation and end up as the inane and the distant.

Perhaps this situation is unavoidable. It is most certainly irreversible within current media structures. Where media is required to cater for the needs of a vast number of people it is impossible for it also to cater for sectional and minority requirements. This is particularly so when the main function required of the media is the provision of slightly varying forms of flippant passer-by pitched at a level where thought is a limited requirement.

It is a sad thing that our society accepts that our press and television will only infrequently examine real problems in more than a cursory fashion — and even less often and possibly solutions.

However, this is less than forgivable when modern technology can now provide improved methods of communication which are ideally suited to the requirements of proper community demobilization of information and opinion and to the quest for solutions to problems at a minority group and individual level.

So often the weakness in our interclass relationships is an inability to convey accurate information and at the same time real emotion across the barriers between community groups and social strata. These barriers can be the result of varying factors but, no matter what their cause, it will only be through application of sensitive catalysts that they will be broken down.

Challenge for Change is designed to be such a catalyst. It is designed to provide the flexibility of structure necessary to cater for the needs of a multitude of varying situations; to provide a means of information dissemination which can, at the same time, be sensitive to the emotional requirements of the communities in which it functions.

The Canadians, in summing up their project, used the following words: “People may soon understand how the mini-media’s power to move information on a national scale, when linked with the potential of voluntary groups for small-group feedback, could be used creatively in the process for social change.”

What was said in Canada applies equally here, and those involved in Challenge for Change and who have come into contact with its work believe that the next few years will see it and other allied activities becoming an integral and essential part of the community. One fact is becoming more and more clearly demonstrated as the work here progresses — once you give an individual a voice he will use it and fight to retain it — once you free a person from oppression it is far harder to return him to that condition than it ever was to keep him there.
SUPA 8mm and POLAROID
THEIR RELATIONSHIP TO VIDEO

For many years both Supa 8mm and Polaroid have suffered the category of being toys, or to quote big-hance movie makers and photographers "amateur". Both tools however have an incredible amount of potential that at last is being tapped by those into video.

With making of any video-tape (be it broadcast or other) you will experience that it is the only medium that is flexible to "feed in" a variety of other mediums. For example, in a simple studio mix situation, music, film, and print as well as music and live performers may be collaged together to produce your tape. A lot of diverse information then can supplement the theme of your tape and generate a lot more information "outside" the immediate super-8 videophore.

Supa 8mm is flexible enough to decontextualize the simplest situation, yet its limitations can be used very creatively (e.g., see "K-Tape") on original 8 mm film by Jim Wilson - Sydney filmmaker’s Cinema - Darlinghurst). It is both cheap (raw stock is about $40.00 per sheet of Kodachrome) and accessible (walk down to your nearest emulsion and buy a camera for $50) it opens up a whole new unexplored visual area being the most malleable of any kind of filmic tool (be it film or video) that can shoot things beyond the reach of the latter. Its hardware is already very sophisticated. Beautifully a camera that can shoot from 270 s.p.s., has interchangeable lenses and can provide a sound backup, while Supa 8mm cam systems provide playback (black and white or colour) with sound, then a home T.V. set or any number of monitors. Specifically, its an ideal "back-up" tool for a studio-shot but its also interesting to note its influence on the commercial broadcast scene. India is planning to use it for her building broadcast network while Tokyo T.V. viewers watch a regular Supa 8mm movie. CBS recently aired a Supa 8mm movie made by a team of doctors treating victims in earthquake hit Managua, Nicaragua, all of which demonstrated the type of T.V. "camera-crew" and "director" and like a video community access situation allows filming to be done by more people, giving them the opportunity to become the media.

The instant feedback qualities of Polaroid photography provide quick, pictorial information without long darkroom time. Most of the photographs in this magazine were taken with Polaroid film giving sharp, detailed software (black and white 3600 A.S.A.), Polaroid prints, visual catalogue polaroids, there are an infinite number of uses that can be programmed on the spot with Polaroid. Communicating in a short space of time with a photograph is an incredible attribute to any tool.

On a broader scale Polaroid artists such as Liz Laysemen are doing good things. Consider his ant-proposition Polaroid enlargment of a threatening oil refinery on the side of the house in Amsterdam (probably the largest shown in Europe). He is currently working on an enlargement of a Boeing 747 which he plans to exhibit in front of Amsterdam’s Royal Palace complete with junkyard soundtrack. Another artist, Ted Sees (famous Chicago bellhop) is into the metaphysics of Polaroid. By concentrating very hard (after a certain amount of beer or coca cola) he can take mind unto a certain understood image. For example, he concentrates on the Eiffel Tower, snaps a colour Polaroid on his head, and produces the image of the Tower on print. Yeah! The best of Polaroid’s film is yet to come. Still under research in the U.S. is Polaroid’s cine film, which will enable the filmmaker to shoot, process and show his work in a matter of minutes.

These tools are good, it just needs people to be aware of them and use them to seek out a higher understanding of themselves, their friends and the world.
THE ARAI VTS 115

5/8 VIDEOTAPE SYSTEM INCLUDES:
- VC15s camera featuring:
  + Ramp arc time adjustable for horizontal hold or ext. monitor
  + Trigger lock and VT10 feature
  + System expands to include optional RF unit. Tuner in one portable unit.
  + Auto clip on m3 monitor with sound
  + Independent key switches for each function
- 200 lines resolution (recorded/3" tape)
- 20 minutes recording time
- 20 minutes operation on 2 x 6 volt battery

Will connect to any PAL colour VTR and features:
- Unidirectional microphone
- Two video system, one in the handle

The ARAI VTS 115 is a complete portable, battery-operated VTR system that can be carried and operated by one person. It offers high resolution picture quality created from the techniques and experiences accumulated over many years. It consists of a hand-held video camera (with zoom lens and built-in Electronic Condenser Microphone) connected to a shoulder-pack carried videocassette recorder. The video cassette records picture and sound to play them back on a monitor or, with the optional RF unit on an ordinary TV set.

The recorders can be used to record TV programs off the air. The camera has a zoom lens and an electronic viewfinder that shows the operator recording picture exactly as it will appear on the TV screen. This viewfinder, moreover, can be used for playback to check the tape as soon as it has been recorded. An AC power adapter, which also serves to charge the battery, makes it possible to run the ARAI VTS 115 on AC household current. Other features include silent picture and audio features. Operating duration can be extended by developing a High Density Video Tape and high performance head assures horizontal resolution in excess of 300 lines. Picture are sharp and clear with visit contrast—a sharply focused virtually grain-free picture. Tapes are interchangeably with those of any Sony AV-CDE series VTR.

Price $1150 + 15% tax.

THE JVC NIVICO PV 458/55500

5/8 VIDEOTAPE SYSTEM FEATURES:
- 30 Minutes recording on a 6" spool.
- 20 Minutes continuous operation on 3 AA batteries.
- Ramp arc time adjustable for horizontal hold or ext. monitor.
- Auto clip on m3 monitor with sound.
- Independent key switches for each function.
- 250 lines resolution (recorded).
- 20 minutes recording time.
- 20 minutes operation on 2 x 6 volt battery.

The JVC NIVICO PV 458/55500 is a compact, portable VTR system that can be carried and operated by one person. It offers high resolution picture quality created from the techniques and experiences accumulated over many years. It consists of a hand-held video camera (with zoom lens and built-in Electronic Condenser Microphone) connected to a shoulder-pack carried videocassette recorder. The video cassette records picture and sound to play them back on a monitor or, with the optional RF unit on an ordinary TV set.

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Price $1150 + 15% tax.

QUALITY ENGINEERING FEATURES
1. Special features include external key, field-in, fade-out, superimpose, vertical, horizontal, and corner wipes, and transformation of negative continuous tones to positives.
2. Special enhancement to similarly interlace sync generator.
3. Push button chooses internal or external synchronization (sync). Eiectronic output may be monitored on studio cameras WV-341N or WV-381N.
4. Special power supply for intercom and tally lights.
5. Separate video switcher for as many as five CCTV cameras and a video tape recorder.
6. Separate dual-fader and wall controls.
7. Video level balance control.

With optical separation:
- 300 lines resolution
- Operated from 1500 lux lighting
- Automatic or manual aperture control
- White Balance switch for correct color balance.
- Weight (camera only) 2.62 Kg.

This camera is part of a special purpose video package particularly compact loading using ARAI 5/8 PAL. Price:

Price $1750 + tax:

COLOUR PORTAPE (complete) approx.

$3600.
Gentle penetration — burst the mind bounds — release the vital energy required to shift this planetary consciousness into Aquarian overdrive — stop asking Flaxey Point questions — how, why, it's true. — read 'journey to Ixtlan' and get angry with Castaneda — try to 'see' yourself, not as a mirror — you will understand what is meant by scientific control unless you are the first subject of your experiments — the space between the leaves of the trees is the air we breathe — become a warrior — take responsibility for your every action — the individual attains significance by limitation in his life style and determination in his duty — what you want to do and what you have to do become the same thing. — do nothing else — do (and do not do) unto others as you would have others do unto you. — the 'ethics' are to include other species, entities and beings in this universe — understand the nature of reality — to know yin is a simultaneous comprehensive revelation of yang — love is these forces reconciling another in an eternal dance through the cosmos — love is the product of love making — love making is the physical manifestation of deep feelings of affection between two entities — it is not surrender, or buying, or a one-time act, but an eternal act, a continuous act, a transformation, a transfiguration, a turning of the wheel of life. — the opposite of the North pole is either the South pole or the Equator — you are the bridge between what was and what will be — of course the tools of survival are in the hands of your children, not the weapons of destruction — create a dwelling for your soul in the centre of the cyclone and only depart from there like a warrior to effect specific tasks — all costs avoid making off-centred decisions, criticisms and judgments — in the domain of the mind, what we are led to believe to be true, becomes true within the limits of experience, these limits are further beliefs to be transcended in the domain of the mind there are no limits — as we enter the mirrored city its ancient halls and residences become real in the altered mind — consider what senses we lack that we cannot perceive another world all around us and consider what about destroying the aspects of this world that you don't like, help create a world that you want to live in with your lover and children — decide what you consider to be valuable information, accumulate as much of it as possible and then share it all around — we share this planet and, at the moment, it is suffering from a malignant growth called whiteness which doesn't like sharing — oil is earth blood — he sucks it from her skin — this is his greatest crime — next is his attacks with statements and continued under the symbol.
ALPHA WAVES AND THE MANDALIC WORLD CLOCK

Centering in a cosmic mandala sees the image mirror the radiant feedback of the diamond body. Cybernetic acupuncture tattva tattvas and nadis and alpha wave or video montage regenerate the cherished goal of the yogis-the wisdom of prana.

The Buddha Seramudra signifies the mental self image as above below and the thin web of neural guilt reacts against spontaneity to create starships and karmic waves of life. The thousand ray of the cosmic mirror enter the networks of the subtle body and the philosophical charts of its cybernetic connections. Superconductor laced to global village, biocinematography coded in insubstantial circuits.

Beta waves measure in cycles per second (cycles per second) are seen as Delta, the slowest 6 to 4 cycles per second related to dullness and creativity. Beta waves are the fastest 13 to 26 cycles per second end of hyperalert state, called induced consciousness. Feedback or the circulation of neural currents in luminous contact are measured EEG Brainwave. EEG is the means by which we can monitor and understand the activity of the brain during different states of consciousness.

The alpha rhythm is the basic brainwave, to which all other rhythms are related. It is a wave of activity that occurs when the brain is relaxed but awake. The alpha rhythm is characterized by a frequency of 8 to 13 cycles per second. It is thought to be associated with states of relaxation, introspection, and creative thinking. The alpha rhythm is often seen during meditation, deep breathing, and other relaxation techniques.

The alpha rhythm is believed to be associated with the parietal lobe of the brain, which is involved in sensory perception and consciousness. The alpha rhythm is also thought to be associated with the prefrontal cortex, which is involved in cognitive processes such as working memory and decision-making.

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Communication is the inside-outgoing and outside-ingoing information flow from my head into your head. Telogenesis is the process of transformation of a subjective-video into its objective realization. Television is telelogic communication and visual degree looping, i.e. communication inside-outgoing squared on to the second power. Information that is outered affords that which is in in by feedback looping.

**TOPOLOGY** is a non-metric clastic geometry concerned with transformation of shapes and properties such as space, inside, outside, center, perhaps the easiest way to define topological properties which stays the same in spite of stretching or bending. Rubber Sheet Geometry.

**VIDESPACE** is perhaps most accurately defined by the weird topological form invented in 1882 by the great German mathematician Felix Klein, called the 'Klein bottle' which is closed one-sided surface without an inside or outside. (Text continues).

**THE KLEIN BOTTLE** seems to be a conceptual tool for formulation of energy inside-outside structures, e.g. Matter/energy transformations
Energy Information
Entropy/Scarcity
Visible cycles of nature - cloud topological inside-outside, chemical element cycles, Biochemical cycles etc.

**VIDEO KLEIN BOTTLE SPACE** could be a rich matrix, for such a one energy modulation monitoring and processing, and a powerful educational tool for such external process modeling via World Games world resources inventory.

They are deepest and most fundamental of all geometrical properties, since they persist under the most drastic changes in shape. There are no solids, no straight lines, only waves, no things, only energy events, only behaviours, only verbs, movement, only relationships, they allow space-time to be inscribed within the third dimension. The information on the 2D video transforms to the third dimension, through your imagination, your intuition. **TOPOLOGY** is a conceptual transport device upon which video information spins in your mind.

No continuum of feedback loops allows participation of the mind, in not receiving but doing, you are the perceiver on the surface contained within the system. There is an illusion of inside and outside, in the Klein bottle you in relation to the transposable, relate to a continuous bio-feedback, inside and outside. No relationship is triadic, it is in the flat in the hand, the mind within the brain the word within the pen, the eye within the video, it allows a qualitative view of relationships, through the step of integrating waves inversion in the field.

Topological space is continuous of surface, with respect only to the outsideingoing information flow transformation. It is a geometry of the rubber sheet where surfaces are stretched from one shape, to another while still retaining the relation of relative positions to its immediate neighbors in shape alone. It is the entering of room through the keyhole, by sucking the room out through that key and examining it as an inside on the outside. Euler's postulate relating to surface states that V - F + E = 2 or the number of vertices minus the number of faces + the number of edges = 2. This information the V, F, E and E can be deformed to any shape still satisfying the equation. This equation works for a sphere but if a small hole is cut in that sphere and the information pulled onto the small hole cut V - F + E = 2 - 1 or 1. This is the equation of a flat sheet. Or the description of an edge. The inner ring or doughnut is a continually spinning loop which has an inside and an outside, as in the sphere but V - F + E = 0 or its genus is 2 or p. Higher shapes are described as spheres with handles with up to p = 6 and 9. These loops feed upon each other as continuously, restated cycles of withinspace and withoutspace. Representation of this is the carbon cycle in nature used as the information, with loops of ocean and food chains, terrestrial food chains, able to be represented as growing and expanding volumes, bubbles, with its energy events determined the volume of the shape contained within that space. The biotic relationship between inner and outer, with you being the outer, observer, flows when you feed into the cycles energy as meta-video tape the affected areas, with ocean food chain balancing information. The washing over of information slashes through the closed system, with a particular loop of video tape, once put through a recorder can be fed upon, keyed over as a mapping problem. The ever changing nature of quantitative facts expanded and contraction spreading balancing ripples through the whole system.

**The carbon cycle** is a biotic relationship of wildness and wildnessness, of observer and observed, with you as the active gathering, feeding in agents. A more complex relationship, a trichic relationship allows itself to be represented topologically as the Klein bottle, a space, shape of continuous incidence and outside, where there are three relationships, an inside and an outside, coming together as one. The trichic relationship allows qualitative statements, two things can be compared, with an agent objective.

The feedback loop can spin in turning the process of video manifesting, into the trichic relation, creating an interactive space upon which multiple levels interaction and interaction output. The concept of the trichic relationship is a Klein bottle of trichic relationships, it brings two unrelated things together, an inside and outside and makes an overall stronger third. The nitrogen biochemical cycle is inside, a self-renewable feedback cycle, making itself qualitative answers to its environment problems.
A tape of student and resident action against landlord extremism in Adelaide is flown to Sydney overnight. The next day students see the videotape replayed on a large monitor in a room where students, landlords, and passersby around campus. Everyone interested in student action come out to the town to see the tape. They can immediately obtain information about the strike action without relying on commercial media. A tape can be flown in from New Zealand showing the latest anti-American demonstrations and suggesting tactics for an Australian situation. Lectures, tutorials, instructions, advice, AUS travel information, student union news and gossip, and on a campus video network working as an information exchange utilizing 1/2 J standard video gear. The possibilities are enormous. The media show arrives in Wellington, smalltown NZ. The dome is erected and some street theatre lets the locals know that the travelling media circus is in town. The next week or two the kids at the schools are shown how to make TV shows, put out papers, use radio... shows in the dome during day and night get the locals involved in considering the need for closer examination of the problems of blacks in the area.

Myths about the omnipresence of commercial media are undone as people see how the media can work for them. Media should be accessible. Community media must be a reality, not a dream.

we have a right to have access to tools to communicate no true perspective of socialism will be presented by capitalist interests who have too much to lose

WE CAN MAKE IT HAPPEN....

Paul Coulter

This issue of Thameka XL is all about media, but the underlying question of media is what does it transport and transform? What it has on an audience Media is communication.

The first week back for this session has shown how the communication of doing things together can be more effective. Foundation Day (or week) this year nominated student involvement. Although much of the involvement was self-advised, the Foundation Day Thameka (carrying pornography and others) made a protest show on the spot. The charities should receive over $1,000 and the Thamekanions which were not sold will be distributed to Resident Action Groups.

The first week of this session has seen as an apologist in student interest in other things besides the degree at university. Let's hope interest continues and spreads to evaluation of the degree itself.

Finally, THANK YOU on behalf of the Foundation Day organizers to all the people who did the out work for Foundation Day, especially those who gave up part of their holiday to sell Thamekan on the day.

Cuba

Victoria Street
Party Sunday 12th
PLEE!TICK FOWLER
afternoon.......... squatters needed

Last weeks assorted odd's/sodd's
From Warren, Arena, RAD, Radical
Software, Istlan, Man, etc etc.

Professional hell-raiser Richard Neville, the Australian famous for the obscenity trial of Oz magazine in Britain, has returned to Australia after seven years, blasting our society.

As guest editor of this month's POL magazine Richard thumps home his controversial opinions and calls on a team of special writers who slam our system!

Read

The School Kids' POL. Our local secondary students speak out against the sox roles they are expected to play in schools. Could POL's publication of student opinions lead to a repetition of the British Oz scandal?

- The Mushrooming Launderomat Phenomenon. Why automated washing centres have led to the exploitation of modern day washer-women.

- The problem most women have—end hate! It itches, it depressing, it's hell for your sex life... and it isn't V.D.!

- Stepping out in drag—Zandra Rhodes gear goes gay with Sylvia and the Synthetics.

- Does L.S.D. fry your brains? Three people give their opinions on the controversial drug.

- Derelict Liberation—the fight to allow our city derelicts to drop out with dignity.

Read all this and more in this month's POL—If you dare!

At your newsagent now

FAIR GO!
Black Jack bara växer och växer!

WELFARE COLUMN
With the present cold of winter and high price of woolen blankets, one needs a warm way to keep warm, and that is with another person. So in addition to our woolen blankets we need our ever reliable contraceptives to stave off the bitter little feet next winter. Unfortunately the Student Health Centre Ads to promote the pill so one must go elsewhere, the best place being the Family Planning Clinic at Prince of Wales Hospital. If you have any problems at all regarding any form of contraception, these people are really good to see as they're always sympathetic to your requests.

PRINCE HENRY HOSPITAL, Outpatients Dept, Anzac Parade, Little Bay 1966. Telephone (besides above numbers): 661-0111 Tuesday 6 p.m. - 8 p.m.

PRINCE OF WALES HOSPITAL, Outpatients Dept, High Street, Randwick 1921. Telephone (besides above numbers): 3394111. Wednesday 6 p.m. - 8 p.m. Thursday 6 p.m. - 8 p.m.

If your favourite contraceptive has failed (you take it once a day but not once a week) then you can arrange to have pregnancy testing done at the Student Health Centre at the case of becoming pregnant to decide if it is one, none or twins.

In the meantime sleep warm and smile.

With a smile,

Stephen Colboc
Vicki Whitehead

BHP CAN CAMPAIGN EXPOSED

In March of this year an Adelaide ecology action group "Friends of the Earth," made a film exposing BHP's financial and advertising public relations programmes. Ironically it was BHP who paid "Friends of the Earth" to make this film. Cornell Laffey who exposed the steel data to the media was immediately given this sack for FOE from BHVO.

Once finished the film was seized by Flinders University drama department and a three way battle ensued between the University, FOE and BHP to get control of the film. The University, under pressure from students and FOE lawyers were made to release the film to Wednesday, August 8, as a prelude to national anti-vaxx campaign, the film will be screened in the Worth Room commencing at 1.00 pm.

The film is not the technical accounting of can recycling - rather it is an account of how the gagging of recycling, and the fraud that perpetuated the gagging cause one man to reveal the whole flaso. The film this "Perambulator" meaning duality - a FR front and the reality are shown to result in a club.

TRAIN CONCESSIONS

The position so far is that students are entitled to rail concessions any time of the year if they are travelling interstate.

AUS is still negotiating for the same concessions interstate. The present system gives the concessions only during vacations.

CHEAP CHILD MINDING CO-OP

The original purpose of Pest Corner was to provide a cheap child mind centre for children of students. Limited numbers and high costs have meant that only a few benefit from it. Obviously something is within the reach of more students is needed.

If enough parents are interested, an independent child mind co-operative can be set up near campus. It will be staffed on a roster system by parent or children who attend. It is hoped that each parent will bring toys etc. to be shared.

The costs will only be enough to cover rent. Anyone interested please put your name, address, telephone number, times available for renter at Students' Union Office.

Pauline Leng, Local AUS Secretary

Did Hamlet roll his own?

From Denmark, land of Hamlet and Elsinore and world of leather and oak and things steeped in the tradition of pleasure, comes a great roll your own tobacco.

Royal Shag is a magnificent experience that no roll-your-own smoker misses.

Did Hamlet roll his own?

Had he, it probably would have been Royal Shag.

Royal Shag...one of the Great Danes

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Did Hamlet roll his own?

Had he, it probably would have been Royal Shag.

Royal Shag...one of the Great Danes

FLAT SHARE CENTRE

is alive and well and living in the STRAND ARCADE

Underground cafes for students - cheap!... deal'

Hanson's clean sweep

Police Constable Fred Hanson did his personal bit in his campaign to clean up Sydney streets this week.

On Monday Mr. Hanson arrived a man for rag-picking in Sydney daily, Public Police. He held the watch until he had collected a daily's worth of rubbish, which he sold for five shillings at the end of his round.

HANSONS

FRIDAY CARNIVAL

East Maitland, NSW
28 miles from Sydney
Phone 656-2269

ROYAL SHAG

HAYVETA

HOLIDAY CAMP

East Maitland, NSW
28 miles from Sydney
Phone 656-2269

ROYAL SHAG

ROYAL SHAG

ROYAL SHAG

ROYAL SHAG

ROYAL SHAG

royal shag....one of the great danes

COACHING

ALL SUBJECTS - ANY AREA WITHIN 60 MILES OF SYDNEY

- NEED TUITION? The Students' Coaching Centre can help you in your home at ANY level from Primary to 3rd year University. Reasonable fees - no contracts or advance payments.

- WISH TO COACH? The Students' Coaching Centre pays well and has many students. (Over 20% growth last year.)

THE STUDENTS' COACHING CENTRE

93-1215

98-3266

COMMONWEALTH SCHOLARSHIPS

Education Officers from the Department of Education will be available for interview in Room 1 Hut G (near the Student Counselling Unit and Student Health Service) during term.

Commonwealth Postgraduate Awards - Every Thursday afternoon

Commonwealth University Scholarships - Every Wednesday 9 am - 4.30 pm

If you have a problem or wish to make an enquiry about Commonwealth Scholarships, you can come to Hut G Room 1 or ring there for an appointment on 664-3151

STAFF EMBARGO AT RMIT

Any person contemplating any academic appointment at RMIT is advised that the Victoria Institute of Colleges Staff Associations Council has placed an embargo on any College due to disputes relating to SECURITY OF TENURE.

This action has the support of the RMIT Association of Professional Staff which advises prospective applicants that its members have decided to withdraw their professional cooperation from any person who accepts a position at RMIT during the embargo.

Any person considering an academic appointment at RMIT is advised to contact VERSAC for further information.

Authorised: R.W. Hankey, General Secretary, VERSAC, 172 Cheltenham Street, North Melbourne 3051. Phone: 03/329-0372.