

Number 16

January 1995

*The really profound changes in human life,
all have their ultimate origine in knowledge pursued for its own sake.*

Author unknown - submitted by Mr Gilbert Bonner

Comment During the past several years, some of you have been following the controversial and extremely atypical Luxembourg associated phenomena. Although this phenomena has little or nothing to do with the kind of phenomena experienced by mainstream tapers and electronics experimenters, it is, like the earlier atypical O'Neil phenomena, an interesting curiosity.

As some of you know, it involves clear, long winded (for ITC) voices that appear in association with radio receivers, computer messages, TV and computer images, and even telephone, answering machine, and FAX messages, all of which are claimed to come from the spirit world.

Advocates claim the radio voices have been witnessed by people who believe them to be genuine. And accept, mostly on faith, that all of the phenomena is genuine, even though the great majority has been witnessed by no one. It is presented as evidence that two others, Homes and Malkhoff, who have been associated with Luxembourg for some years, also claim to have experienced some of the same phenomena. And more recently, phone calls from a person who claims to be Dr Raudive, has been cited as further evidence that the phenomena is genuine.

On the other hand, critics claim that the TV and computer images are crude and obvious fabrications, that the FM radio voices could easily be transmitted through a nearby FM wireless microphone, that the reported messages are the same kind of warmed-over material professional mediums and channelers have used on their clients for decades, that certain text and images, later found in obscure books here on this side, are blatant cases of plagiarism and

phony messages from the other side, that the obvious breathing in the Raudive contacts are a positive indication the contacts are being made by an impostor, and that overall the phenomena is reminiscent of the old professional medium game, in this case with electronic embellishment.

If you happen to be on the skeptical side of this controversy, you are not alone, although possibly still in the minority. You may be interested to know that at least a few of the most experienced and knowledgeable "Old Timers", do not believe the Luxembourg associated phenomena is genuine. And that a surprising number of people have expressed skepticism about parts or all of the phenomena. Yet others have made remarks to the effect that the "intuitive feeling of genuineness", is simply missing. It might be added that Mr Fidelio Koberle, head of the German VTF, largest EVP organization in the world, has believed for some years that the Luxembourg phenomena is fake. Being much closer to the situation than we are, he perhaps knows things about this matter, which we do not yet know here on this side of the Atlantic.

There are an unknown number of people who have reservations, doubts, skepticism,

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about the Luxembourg phenomena, but have been reluctant to say so in the belief that they are alone in having such doubts. The following is a typical comment from one of our readers, who will remain anonymous. A person quite knowledgeable and experienced in ITC research, as well as a keen observer of the overall field:

"I must say to you in private, that I do find it hard to accept some of the more recent claims made from Europe, and this is not because of any jealousy on my part, but from caution, aware of the great harm that could be done to all our research if suddenly someone could tell the national press it was all faked. Perhaps I am wrong. If I am, then it is without doubt the most amazing breakthrough we have witnessed. Life has however taught me the hard way, to have doubts. It does place one in a difficult situation as I fully realize, and many of my friends, quite sincere people, believe these reports, and one can hardly tell them of our own doubts."

(It might be added that the person who wrote this does not have a technical background, and has reached this conclusion even though unaware of the technical absurdities in the Luxembourg claims.)

Mostly because of wishful thinking that all this phenomena be true, as all of us would like it to be, there has been a tendency to rationalize away evidence to the contrary, as I myself did for all too long. This in turn is detrimental to the whole field. If there is any phenomena, from any source, that cannot stand the light of open discussion, then that phenomena, whatever it is, needs to be openly discussed. Where the Luxembourg phenomena is concerned, such open discussion is long overdue.

Especially, the same kind of serious and in-depth questions need to be ask now, as will be ask down the road when ITC comes under serious scientific and media scrutiny. It will be too late then for researchers to start asking whether this or that phenomena is genuine.

In any case, if the Luxembourg phenomena is actually a series of fabrications, as some maintain, how is it possible that several of the most experienced, knowledgeable, and intelligent people in this field, have visited these folks in person, and have publicly vouched for their charisma, charm, and apparent honesty and sincerity?

Is it possible that through these visits,

the investigators came so close to the situation that they were no longer able to see the forest, because the trees were in the way? While at the same time, other researchers who have not come under the influence of such personal contacts, have been able to look at the phenomena itself and it's surrounding evidence, from a much more objective viewpoint? Certainly many people, at one time or another, have become so involved in a situation that they were no longer able to see certain things, which to friends and associates, were quite apparent.

No one doubts that the Harschs are charming, confidence inspiring, charismatic, intelligent, gracious hosts, and give the impression of being sincere, honest, devoted, etc. But it is not personalities that are under investigation. What is under consideration, is absolutely incredible phenomena, for which there is hardly anything in the way of serious evidence, which shows no signs of expanding to mainstream researchers, and about which a long list of serious questions remain unanswered.

Whether or not phenomena is genuine, can hardly be judged according to how nice the people are who report the phenomena. Especially when we already know, among other things, that certain "spirit messages" reported by these people, later turned up as virtually word for word passages, from obscure books. ITC is a serious research endeavor, not a popularity contest.

But before we further escalate the already worldwide controversy between the "heathen unbelievers" and the "arrogantly gullible", lets see if we can look at the situation from a rational standpoint. First of all, time reveals truth. As time goes on, evidence accumulates. This accumulating evidence adds to one side or the other, until the scales becomes so over balanced, that the truth becomes obvious to virtually everyone. We can be confident then, that continuous observation of the phenomena, an open round table of discussion, and seeking information from the other side about this matter, will reveal the truth, whatever that truth may be. As they say -- time will tell.

Although whether or not the Luxembourg phenomena is genuine, is perhaps not the most important question, it nevertheless is a question. Is this phenomena genuine or not? This is not for me to say -- I am neither Judge nor Jury. Although like a Lawyer, during the past year, I have been calling attention to, and discussing, various evidence pertaining to this matter. Evidence that some would much rather sweep under the carpet.

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The real Judge and Jury of course, is on the other side of the veil. Spirits are in a much better position than we are, to know whether or not this phenomena is genuine. And since, if it is not genuine, it makes a mockery of their years of real communication effort, just as it does of ours, they would hardly hesitate to tell us. All we have to do is ask.

Groups formed around professional mediums and channelers, have no way of knowing whether they are being told the truth or not, because their "guru" is their only contact with the other side. ITC communication, on the other hand, is a whole different ball game. Since personal contact is what ITC research and communication is all about, each researcher has the option of *directly* asking the other side, about virtually any issue. In turn, over a period of time, this makes ITC essentially fraud proof. Deception can exist only until researchers become suspicious enough to start asking serious questions of their own spirit friends and associates. ***The rules have changed. The old mediumistic con game doesn't work anymore, even when embellished with an electronic twist.***

There has already been one report about the Luxembourg associated phenomena, from the SORRAT group in Rolla, MO., with which some of you are familiar. Evidently their spirit friends know nothing about the planet "Marduk" on which, according to the Folks in Luxembourg, the spirit world is supposed to be located, and therefore on which SORRAT's spirit friends are supposed to be living. A preview perhaps, of what the consensus of spirit information about this phenomena, will turn out to be.

I had hoped to be able to get the equipment built for the next comparison experiment before now, in order to ask some questions myself, especially about the phone calls from the obviously breathing "Dr Raudive". However, this turned out to be impossible, due in part to exceptionally heavy correspondence. In the next issue, I would like to publish whatever comments your spirit friends might have, if you should ask about this phenomena. If you do submit any such comments, please specify whether I may use your name, or whether you prefer they be listed as anonymous.

Even if you believe the Luxembourg phenomena is genuine, but still have specific questions about certain things, such as why some people wear eye glasses in Heaven, why planet "Marduk's" suns are darker than the surrounding sky, how spirits can build a large "transmitting station", when it is impossible for them to build the equivalent of a \$10 Radio Shack

wireless microphone in order to talk to us, etc., the list is endless, I would suggest you ask your spirit friends some serious questions, just for your own information, whether you submit their comments or not.

Even more important however, than the question of whether the Luxembourg phenomena is genuine, is the question of whether or not this novelty phenomena is of any real value to humanity in general, and to other researchers in particular. The real strength and value of the voice phenomenon has been not only its direct, one on one, communication with the other side, but also its broad based accessibility and wide distribution. Even from its first public appearance in Juergenson's time, others who heard of the phenomenon, were able to repeat the experiments, and establish contact on their own.

On the other hand, novelty phenomena has a history of failing one of the most primary tests of science, which of course, is repeatability by other researchers. There has never for example, been another Leslie Flint with his obviously breathing "direct voices". The O'Neil phenomenon is another example. As time went on, this phenomenon became somewhat more spectacular, but like the cold fusion reaction, was not repeatable by other researchers, despite their best efforts.

With the Luxembourg associated phenomena, we are again seeing this same pattern repeated. Since the late 1980s, we have seen phenomena associated with the Luxembourg group, including Homes and Malkhoff, become more and more sensational, while at the same time remaining restricted to this less than handful of people, and showing no indication whatsoever of expanding to other researchers. Recently, with "Dr Raudive's" phone calls, there has been the superficial appearance that the

"Dr Raudive" seems to have a new found reluctance to make telephone calls into areas of Europe in which the new call tracing service is becoming readily available. Which, taken together with other evidence, makes it safe to predict that by the time call tracing becomes universally, and internationally available, to where any phone can trace a call to any other phone, phone calls from "spirits" who breathe, will have come to a complete stop. As will E-Mail and FAX messages from "spirits", when call tracing is extended into these areas.

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phenomena is spreading. But since one or two people, at a single location, can make any number of telephone, E-Mail, or FAX calls all over the world, this is simply an illusion.

One problem with such sensational phenomena, is that it creates a following of believers. As time goes on however, the followers become bored with the same phenomena, and continuously expect to see more and more spectacular phenomena. Or they become disenchanted and drift away. It could be speculated then, that if such phenomena is not genuine, those who propagate the phenomena would have to continuously seek ways to make the phenomena more and more spectacular, in a desperate attempt to keep and increase their following. The problem with this being that as the phenomena is made more sensational, it becomes progressively less believable. Quite obviously the taped voice phenomenon, experienced by hundreds, is many times more credible, than the far out computer images, FAX messages, and phone calls from spirits who breathe, all of which, genuine or not, originate from the same single source.

One organization here in the states, has evidently been lead to believe it too would experience Luxembourg type atypical phenomena. But with the exception of two phone calls, almost a year ago, from the breathing person who identifies himself as Dr Raudive, no such phenomena has appeared. Consequently, it has thus far become an MTC organization, centered around a certain medium which "Dr Raudive" demanded they take into the fold, rather than being an ITC organization as originally intended. We wish them better luck in the future.

If the Luxembourg phenomena is genuine, then there is no reason why it should not expand to other groups and individuals, just as EVP did from the very beginning, and in fact should have already done so. On the other hand, if it is not genuine, then groups such as this will continue to wait in vain, as they have waited so far, for phenomena that will never happen. In the mean time, this particular organization, has become the American "advertising agency" for the Luxembourg phenomena. Which is evidently what "Dr Raudive" had in mind in the first place, and which he most probably now controls through the medium he demanded they include in the organization.

This "advertising" is being done even though the Luxembourg phenomena itself is highly controversial. Publicized as a matter of fact, when in reality it is much more a matter of faith. Faith maintained by ignoring evidence to

the contrary. Diving head first, as it were, into a situation in which more than a little prudence is called for. If the phenomena turns out to be fake as some believe, which is at least as likely as not, as our correspondent pointed out, there would be great harm done. Especially since people reached through such "advertising" would have no way of knowing the Luxembourg phenomena, at best, is highly atypical and not representative of ITC research in general.

In the last issue, an estimate was made, actually a guess, that 1,000 or more people have contacted the other side via taped voice. As Sarah says, no one really knows. We do know it was reported that on one occasion in Europe, 600 people showed up for a lecture, 300 on another occasion. There are three organizations here in the states. The AA-EVP alone has over 300 members. Various other Countries have an unknown number of organizations, study groups, and individuals working in this field. I was told there are five organizations in Germany alone. In my computer there are the names of hundreds of people who have at least expressed an interest in this phenomena.

Naturally, not all of these thousands of people have contacted the other side, or even tried. But there are many who have. So 1,000 seems a reasonable guess. In any case its a nice round figure. Based on this guesstimation, the 3 or 4 people who are associated with the Luxembourg group phenomena, represent less than one half of one percent of the probable number of people who have made ITC contact. Which of course is nice for them, if it is actually genuine, but not of any help whatsoever, insofar as practical communications value is concerned, for the other 99½% of tapers and researchers.

The real value of ITC communication to humanity, is in the conviction of survival, essentially obtainable only through personal contact with those who have survived, and in one on one communication with family and friends who have gone beyond the veil. Whether the Luxembourg associated phenomena eventually turns out to be of any real value in so far as raising the enlightenment level of humanity, or remains little more than an interesting novelty, depends entirely on whether the phenomena expands to other researchers. In ITC research we are not playing games -- this is for real!

If and when we see reports of computer messages, images, phone calls from *identifiable* friends and family of the recipient, etc., from say only 10 or 20 independent researchers, a mere 1 or 2 % of tapers, then there would at least be some indication the

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phenomena might possibility expand, as did EVP. If such phenomena, for example computer messages, were reported by say only 50 people, still a mere 5%, there would then be at least an indication the phenomena was starting to become of serious communications value to humanity. So far there is no such indication.

Because it has not expanded, and because it is so very different in nature from the phenomena experienced by mainstream researchers, and because it has acquired its own string of followers, it has been suggested that the Luxembourg phenomena has branched away from mainstream EVP/ITC research, and formed a kind of "Transreligion". First there are the "miracles", i.e., the extremely atypical phenomena, which remains unreproducible by other researchers. There are the leaders in whose presence the miracles appear. We have the disciples who are spreading the word, and trying to recruit new believers. We have the mystical messages from the great beyond, given only through the chosen few. And last, but not least, we have the religious type requirement of great faith, in order to believe all the phenomena is genuine, in defiance of evidence to the contrary. This of course, is an extreme viewpoint. But looking at the phenomena closely, one can at least understand how someone might reach such a conclusion. Let us hope the phenomena, whether it eventually turns out to be genuine or not, does not simply turn into such a cult of blind believers.

As the reader has no doubt already discerned, I happen to be one of the "heathen unbelievers" who think the evidence of the Luxembourg associated phenomena being genuine, is out weighed, by far, by evidence that it is all a put-on. However, I am willing to change this opinion, and say so publicly, if the scales should be re-balanced by believable new evidence to the contrary, such as a significant expansion to independent researchers, as was the case with EVP.

Although it has been some years since this phenomena first came to public attention, years during which it has shown no signs of expanding, there is still a remote possibility it might start to expand. Because of this and a certain amount of renewed interest generated by the recent phone calls, it would be worth while to watch for any signs of possible expansion. Which can be done better with graphs, than with words.

There are after all, only two possibilities. Either the Luxembourg associated phenomena will expand to independent researchers and

start to become of real value in ITC communication, or it will continue to "tattletale" on itself, by not expanding, in which case it will eventually wind up, like the O'Neil phenomena, as a footnote in the History of ITC research. In either case, rather than engaging in endless controversy about whether or not it is genuine, which time will reveal to us in any case, it would be easier, as well as more enlightening, to simply follow the phenomena in the form of graphic representation. (SV-16/17)

It seems each time some new, highly atypical phenomena appears, such as the O'Neil or Luxembourg phenomena, it has the negative effect of slowing down taping and electronics work, until researchers determine whether this new star in the sky is the long sought answer to the ITC communications problem. Once it is realized the new star is actually a meteor that briefly lights up the sky and then fades out, by not expanding to others, mainstream ITC research gradually gets back on track, and continues its laborious journey toward the real solution.

Judging from the technical work and advances made during the past year, it is obvious most have already realized the Luxembourg associated phenomena, genuine or not, is not the solution to the communications problem, and are continuing with their own serious efforts in ITC communication and electronics. All of which speaks well for the future of ITC research, and brings us one step closer to development of an efficient transreceiver, for the benefit of everybody.

If we seriously want to open up communication with the other side, for the benefit of everyone, it is going to have to be done by research and development of efficient receiving equipment. No medium, no magic, no channeler, no wishful thinking, no fake messages, no mystical nonsense, no third person intermediary, no novelty phenomena of dubious origine, is going to do this for us. As much as we might wish it to be otherwise, there are no short cuts. No helicopter is going to come along, from Luxembourg or anywhere else, and give us a free ride to the top of the communications mountain. If we want up there, we are going to have to do it the hard way -- by asking questions and developing equipment through experimentation.

ITC Technology

It should be obvious to nearly everyone, that real advance and development of practical ITC communication, can be built only on a solid

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foundation of technology, rather than on the basis of unreliable novelty phenomena of dubious origine. It should be apparent that even the most modest of technical advances, of at least potential benefit to hundreds of tapers today, and hundreds of thousands tomorrow, is far more valuable, by orders of magnitude, than curiosity phenomena, such as TV images or computer messages, restricted to one or two recipients. Even if all such highly atypical phenomena were genuine, which is debatable, it would still be like having all electronic communication between the Eastern and Western United States, restricted to one or two unreliable and intermittent telephone lines.

The early radio pioneers are not physically with us anymore, but the technology is. Not only is it still here, but it is still continuing to develop and expand. Electronic communications has already become far more sophisticated than the early pioneers could possibly have imagined. And there are still centuries ahead for further development.

In ITC technical research, the situation is basically the same. People come and go, as does the novelty phenomena associated with a few certain individuals, but the technology stays. Not only stays, but continues its slow advance toward improved and expanding ITC communication. Development that will continue for decades and centuries, and reach levels of sophistication we cannot now imagine.

Until the early 1970s, EVP/ITC was purely instrumental, as the name implies. Unfortunately, around that time professional mediums and channelers were introduced into the field. A setback from which the field has still not fully recovered. To this day, in at least one quarter, there are still mediums involved, with their mystical nonsense. And we seem to still have a few individuals who think ITC communication, is nothing more than the old mediumistic game with an electronic twist. If such actually is the case, as time goes on, they will find out differently. Again, in ITC research, we are not playing games -- this is for real.

ITC is a whole new field of direct, one on one, electronic communication with those who have survived. It has nothing to do with mediums, channelers, or even Transmediums, as third person intermediaries. And perhaps as reliance on such third persons is eliminated, the scientific establishment will come to see ITC communication in a new light, as the broad based phenomena it really is, and start taking it seriously.

ITC technical development has been

somewhat retarded by one handicap with which the development of radio did not have to contend. That disadvantage, is the fog of mysticism with which some have tried to surround ITC reception. Especially the myths that ITC reception is all some kind of esoteric phenomena, and/or that it is the result of signals transmitted from some heavenly broadcasting station, and that in neither case can we do anything of a technical nature on this side, to improve reception. These myths are just that, they are myths. Which will become progressively more obvious as technical development continues.

One thing that has contributed to this ITC mythology, is that the quality of reception varies with the amount of energy, which we are told is psychokinetic in nature, that is emitted by the operator. Which of course, results in different operators experiencing different qualities of reception. This is cited as evidence that ITC reception is some kind of esoteric process. In reality the problem is technical. Spirits use the operator's energy because we have not yet learned how to provide a more suitable energy source. Just one of the problems that will be solved as technical development continues.

Through the efforts of Geoffrey Tilga, Bart Ellis, David Lothamer, Dr Vladimir Delavre, Mr Fidelio Koberle, head of the VTF, and the working group of electronics technicians and computer people he has organized, as well as efforts by other researchers, more progress toward building a solid ITC technical foundation, has been made in recent months, than we have seen in some years. Progress that is especially important at this point in time when a few, discouraged perhaps with the slow moving pace of technical development, seem to have become hypnotized by dubious phenomena which has little or nothing to do with mainstream ITC research, technology, or communication.

In the history of radio, and other electronic technologies, progress is typically on a curve. The curve starts out almost horizontal, with small advances spread over a long period of time. Later the advances become more dramatic and closer together, until the curve heads upward at a steeper and steeper angle. In some fields, such as computers, where the latest model is guaranteed not to become obsolete only until the buyer gets it home, the progress becomes breathtaking.

In ITC, technical progress is still on the slow part of the curve, but there is some progress. Considering the amount of fairy tales and mystical nonsense still not completely eliminated from this field, the wonder is that there is

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any real progress at all. Nevertheless, recent advances in reception quality improvement and post reception computer enhancement, are contributing to the construction of a solid technical foundation. A technical foundation which is the only thing upon which real development and expansion of ITC communication can be built, and an efficient transreceiver developed for the benefit of everybody. *Technology is the only way to get the job done, that novelty phenomena will never be able to do.*

DIGITAL AUDIO

The following is from a letter by Mr. Bart Ellis, to Sarah Estep, which we have been granted permission to publish. Bart has been involved in ITC research for many years and is very experienced in this field.

When I last spoke with you on the phone, I said that the new equipment I am now using has greatly enhanced the clarity of the voices received on my DAT recorder. For your information and for that of the newsletter subscribers, I am enclosing the information as to how they can find out more about this equipment.

Keep in mind that the electronic equipment was designed for audiophiles who want to hear CD and tapes with the most clarity possible. I can testify to the fact that music sounds unbelievably clear, crisp and real, with every nuance of sound being highlighted. Fortunately for tapers, this same technology brings out nuances of voices far better than anything I have ever tried.

There are two items that one can purchase, both of which are quite expensive. The first item is called "HEADROOM". It is a headphone amplifier and audio image processor. It is a compact unit, weighting in at 1 lb., 4 oz. with batteries. The dimensions are 6.05"L x 5.275"W x 1.12"H. The second piece of equipment is the Entymotic Research ER-4 Earphones. This is an insert type earphone developed by a company that produces equipment used in speech research and audiological testing. These earphones are considered to be state-of-the-art and combine maximum accuracy with the

virtual elimination of external background noise. The elimination of noise makes it possible to hear the total dynamic range of recordings without having to play it back at unnaturally high levels. Thus you don't have to boost the volume to compensate for external noise; hearing distortion is minimized while hearing safety is maximized. The whole unit comes equipped with a one-eighth inch stereo plug and a one-quarter inch adapter. They are extremely lightweight -- less than an ounce -- and have soft rubber eartips that fit comfortably in the ear canal.

I bought both the Headroom headphone amplifier and the earphones. If you don't want to spend \$699 for the "package", you would do well to just get the earphones. These alone will make a world of difference in hearing the voices. Combined with the Headroom Audio Image Processor, you have more variability in volume control and a greatly enhanced quality. They are truly remarkable! The Headroom company has an 800 number you can call, for both information on the products and for ordering them. You cannot buy these products in stores ... they have to be special ordered. Headroom also has a "White Paper" which you should ask to have sent to you. It is very technical and explains how the product works etc. You should also request "The Manual" on the Headroom Amplifier. If you order equipment it takes about 6 weeks to get it.

I have no connection with this company whatsoever. I found out about it through a friend of mine who is an "audiophile" and who is very sophisticated with audio electronics. I "chanced" buying the equipment. I need to mention that I have used the equipment with standard tape recorders (my old Sony which is 1970 vintage) and with my Casio DAT recorder. There is no question that the audio reproduction with the DAT recorder of the voices is far superior to that of the old Sony, with or without the equipment I mentioned. I did have a problem initially in getting voices on

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the DAT ... nothing happened for quite a while. Then suddenly, the voices appeared and since then I have put my Sony into "mothballs". The Entymotic Earphones work much better for listening to voices on a standard tape recorder than do my Sennheiser earphones, which I have used up until now. The Sennheiser earphones are excellent, but do not compare in quality to the Entymotic.

For further information on either Headroom and/or the Entymotic Earphones, contact:

Headroom Corporation
611 N. Wallace Ave.
Bozeman, MT 59771

Toll Free: 1-800-828-8184
Bus. Phone: (406) 587-9466
Bus. FAX (406) 587-9484

At this point I wrote to Mr. Ellis and ask what recording method he is now using, to which he replied:

I am still using the open microphone method when taping. I use two high quality professional recording microphones that I hook up to the DAT. I also use a noise generator (i.e. a "sleep machine") when taping. The results vary. At times I will get a lot of voices and at other times, I get nothing of significance. I still don't know what conditions are best for taping. I think there are more variables than we are aware of. For example, during one taping, my nine year old daughter, Nicole, was twirling and dancing in the living room at the same time that we were taping. The results were great ... there were lots of high quality voices. Perhaps "Nicole's energy level" that she generated by the dancing was a variable in getting that evening's voices. At other times, when I ask her to do the same thing, the results were unimpressive. You figure it out!

(Reply) Indeed there are still unknown variables in ITC reception. It is believed by some of us that the other side uses PK energy to effect the electronics. Since unlike us, they do not have a

physical body from which to draw energy, they must draw energy from a source external to themselves.

We are told they can draw energy from the operator (or presumably from other persons present), and/or energy from various environmental energy sources. In the latter case they are able to somehow convert thermal, electrical, etc., environmental energy into PK energy, which they then use to effect the equipment.

So who is to say? I think it quite possible that on the first occasion, the other side may have been using a bit of energy from Nicole's youthful exuberance, in order to get through a little better. Later when you ask her to do this, she may have been a bit self conscious, or perhaps was trying too hard, which in one way or another somehow changed the energy she was radiating.

One thing I have found that seems to help slightly, is to quiet one's mind. I usually sit down and relax body and mind as much as possible for fifteen or twenty minutes before starting to record. I also have found that if I am a bit agitated about some other matter, or over tired, the results are usually not quite as good. In both cases I think there may be some effect both on their ability to get through, and on one's ability to concentrate on listening.

One thing you might try, if you haven't already, is to use a candle in your receiving system. Not for illumination, or to make a "magic" ritual of ITC reception of course, but rather to supply a handy environmental energy source, in addition to whatever PK energy they may draw from you and/or others present.

We have been told they can use "all kinds" of environmental energy, but they emphasized "thermal". They seem to need several sessions to learn how to use thermal energy, and it is probable it is of more help in making their job a bit easier, than it is in noticeably improving reception quality.

I would suggest trying a candle near the recorder or noise generator, tell them what it is for, and then after perhaps half a dozen sessions, ask them if they want you to continue using it.

COMPUTER ENHANCEMENT

-- VTF

Translation from German VTF POST issues P74 1/94 and P75 2/94

Translation by courtesy of Mr. Hans Heckmann

*The Philips D 6350 cassette recorder

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highly recommended by VTF in previous issues is not available anymore and has been discontinued by the manufacturer. Its substitute, Philips Model AQ 6350, has no "cue & review" function. This is a feature which allows quick repetition of paranormal tape sections. The D 6350 model also had a plus/minus tape speed adjustment which is equally valuable for ITC work.

There is a Panasonic RQ 2102 cassette recorder available worldwide which has the "cue & review" key function, but has no tape speed adjustment (price DM 60. - in Germany, available in USA from J & R Music World, 800-221-8180 at \$22.95) These Panasonic RQ series recorders have rugged mechanical functions, just the thing for constant play - and - search ITC use.

One reader reported about the Sony TCD-D7 (Walkman type) Digital Audio Tape (DAT) recorder. This recorder has no speed adjustment or "cue & review" function but paranormal tape sections can be located quickly and more accurately with a built in timer (instead of index counter). The DAT recorder and special DAT tapes are expensive and not compatible with analog recorders. Low distortion and low noise recordings may come at too high a price (no price quote given).

The new Digital Compact Cassette (DCC) recorder is another low distortion, low noise digital recording system that should be in stores by Feb. 1994. DCC cassettes are the same size as analog cassettes. It has no speed adjustment but can be programmed to repeat any DCC tape section. (Takes longer than "cue & review"). Cost is almost as high as DAT recorder. In the highly competitive field of digital recording this system may not become popular.

In May 1993 VTF sponsored a meeting of electronic technicians etc., in Cologne, Germany. A computer system (program?) was demonstrated which exceeded the accuracy / quality of conventional voice evaluation by a large margin. It consists of visual presentations on the PC screen and an accompanying print - out. It allows one sentence, one word or even a phonetic fragment of a word to be examined in segments of as little as 1/48000 second and over the entire frequency spectrum. This makes possible the storage of any part of the voice and its comparison to any other voice samples. It could be a method of voice analysis valuable for proofing ITC voices.

The system also allows change and verification of tonal pitch and speed. Recordings made at 7½ IPS when changed to 3¾ IPS would have a drastically changed rhythm of speech but

would not change their 7½ IPS pitch. The recorder alone can change speed as much as 20% but at a corresponding change of pitch. *

* (Translator: I am using a Panasonic RQ 2850 cassette recorder with variable speech control (VSC) which allows a plus 100% minus 20% playback speed change preserving the natural voice pitch. (Purchased approx. 1989, cost was \$117-)

The computer makes possible pitch changes in steps of 1000 Hz that reach over several octaves. The paranormal voice can thus be changed over a large spectrum to examine similarities to the life time voice of that person.

Computer programs contribute greatly to solve any filtering problems for clarifying paranormal voice tapes. A 64 band equalizer (20 Hz to 15 KHz) is available as well as a parametric 4 x equalizer. Hi-pass, Low-pass, Band-pass and Notch filter in any combination are possible with the latter instrument as well as total filtering out of individual areas up to 60 dB and more (by composite filters which add no noise of their own). The loss of volume that is normal with any filter can be compensated for, in steps of 1 to 15 dB, also without adding noise.

For each band, the mid-frequencies can be set from 20 Hz to 20KHz in steps of 1 Hz and up, adjustable band width from 03 to 3 octaves with rising and lowering of +/- 15 dB. This flexibility and the storage of all parameters for any purpose, are further advantages of this technique.

At this point it should be emphasized that all digital manipulations of the computer introduced here, add no noise of their own. Each computer copy of a recording is not a copy in the sense of analog recording techniques with all its disadvantages, it is another original.

The long sought possibility of totally isolating the paranormal voice from its surrounding canned sound or carrier noise, has come into close reach with this computer technique.

We know from high frequency studies that two signals cancel each other if they have exactly the same amplitude, frequency, and one signal is exactly 180° out of phase with the other one. This method which also applies to audio frequencies, has so far been unsuccessful with ITC and the analog equipment on the order of milli or micro second and milli or micro volts which can not be maintained with analog equipment and "cue & review" keys.

Several simulated experiments with a computer showed a 100% success. The carrier

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became totally inaudible. Only the voice, totally identical to the original could be heard in the room. However, things are not as easy as they are being described here. These successful experiments merely show the way to travel.

Changes will take place because of room acoustics, reverberation and standing waves compared to the unaffected sound through the cable. The quality of reproduction through loudspeakers and loss of quality the microphone will prevent total cancellation of the carrier. So does a volume controls misalignment of only 1 dB. Should it turn out that paranormal impingements can take place in the electronic circuitry, the microphone will only be needed to record the experimenters voice. That would eliminate some noise cancellation problems.

The practical possibilities offered by the computer's digital operation are here only described superficially. The results during the last 1½ years when compared to the techniques used up to now are overwhelming. One can only hope the computer will be used more for ITC experiments*.

Translator: After the disappointing news of the Philips D 6350 discontinuation, a colleague informed VTF that this "ideal" cassette recorder will be shipped by his electronics store for DM 145.-. Write to Mr Esch, Boenerstr. 41, 53879 Euskirchen, Germany or phone 02251/61521 to find out if they will ship to USA.

Translation from German VTF POST issues P76 3/94 and P77 4/94

Translation by curtesy of Mr. Hans Heckmann

"Some progress was made by adapting a PC program originally developed for musicians. It is based on programs used for professional digital recordings. Also, the particular program used by VTF is simpler but similar to a method used by the German Bureau of Criminal investigation to identify voices of criminals.

In issue 3/94 the computer is being described as a visual acoustical support (voice enhancement) of the tape recorder. For instance - the "viewing of voice samples on the computer screen" - the "clarification of voices by filtering out background noise" - the "manipulating (stretching and compressing) of voices".

In issue 4/94 a presentation of Theo Bleitgen given at the Fulda conference enlarged on this description. Although he still sees the audio tape recorder as the common tool for ITC, he draws a promising picture of the computer's capability as a digital audio recorder. The

computer with an audio module can receive analog sounds and signals, convert them into digital information and safely store it for further enhancement as described in the previous paragraph.

The computer allows mixing sound sources in totally separated stereo channels. All processes can be seen on the computer screen. Every sound signal is displayed visually. Our eyes will become an additional judge when listening to (viewing) voice signals. A large screen magnification will make even the finest signal variations easy to analyze. Repeated viewing becomes as easy as hitting a key of your keyboard.

The process can be slowed down without changing the voice pitch. This is a feature that most experimenters have been demanding. This computer program allows filter possibilities into the thousands. However the speaker admitted that noise within the frequency range of the spirit voice cannot be removed without also removing the voice itself. The computer first has to scan the entire audio frequency range and then performs a fine frequency resolution of the spectrum.

Note- The above mentioned Theo Bleitgen seems to be coordinating the experiments of the small VTF computer group. His address is:

Mr Theo Bleitgen
Gneisenau Str. 2
65195 Wiesbaden
GERMANY
Tel 0611-443538

Comment (BW)- Mr Bleitgen states that noise within the frequency range of the spirit voice cannot be removed without also removing the voice itself. This may be true with whatever software program they are using in Europe. It is not true however with the COOL13 shareware program, written by an electronics Engineer, which was brought to our attention by Mr. Tilga. This program **will** reduce noise to a significant extent, within the voiceband itself. And also provides sound editing to completely eliminate noise between voices, as well as a number of other functions. Evidently a more sophisticated program than they are using in Europe. If used properly, COOL13 can make the voices much easier to listen to, as well as raising their quality approximately one category, i.e., a "B" voice to an "A", or a "C" voice to a "B", etc.

COMPUTER ENHANCEMENT
-- GEOFFREY TILGA COOL13

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Bill:

This is what should be published with info on cool13.com /zip digital enhancement.

I've cleaned voices up even more using directions given me by Dave Johnston. See technical notes.

It is most important that no one talk to him about our work - spirits and I emphasize this. Lets get him some money, its best to be honest in our work.

G. Tilga

"The Apollo Moon in the 1970's used a process called Computer Assisted Digital Enhancement to remove noise from radio voice communication with the astronauts. We have applied this to EVP with outstanding results, erasing most noise. The process can now be done on an IBM (or compatible) 386 or 486 home computer with a minimum of 20 megabytes hard disc memory, Windows 3.1, and a mouse. A math coprocessor will shorten the enhancement time to 1-3 minutes. It is 10-15 minutes to 'clean up' a voice without this accessory. There is a reverse voice function that will play taped material **backwards**, we have found it works as well as 'reverse tape method' on reel to reel machines, and is easier to use. There is also a biofeedback file 'Encoding Brainwave Information' that can be used for biofeedback via stereo headphones to alter states of awareness. [see: brainwave synchronization files, References (enc.)] A 16-bit 44.1 kb stereo (standard) card from Soundblaster, Turtle Beach, or Mediavision is recommended, though any 16-bit compatible sound card will work. (Cost \$100) There is a special 8-16 bit conversion program that will work with older 8 bit 11 KHz mono cards, but the biofeedback program will not work through this. This shareware is called COOL13.Zip and can be downloaded from the Creative Labs Forum in CompuServe by typing BLASTER at the 'Go' green light icon on the main board. Search for COOL13.Zip in the Search (library) of The Forum Toolbox. This can be downloaded for local phone charges in USA, Europe, and wherever CompuServe is operating. Do not discuss EVP work with David Johnston, the shareware fee recipient. His address: David Johnston, 28022 N.E. 147th Place, Duvall, Washington, 98019. He will send current disc anywhere in the world for \$30.00 -- \$40.00 will insure future upgrade of program to be sent to user."

Technical Notes:

A one second sample of background noise must be included with the voice example. It is best to have sample first, followed by voice. On screen with a mouse, click / highlight 1 sec. background noise sample. Go to 'Transform' on main board, click 'Noise Reduction' sample stored. Now highlight voice with mouse. Go to 'Transform' on screen, set level to 100% & click. System enhances voice. Next, perform filter & noise gate functions, (under 'Compression') to make final clarification. Under 'Filter' band-pass can be adjusted from 350-2500 Hz. A noise gate function will further refine the quality of the enhancement. Click 'Transform', "Compressor" with mouse. A noise gate with the first edit point at input signal -50 dB, output -96 dB, second edit point at input signal -20 dB, output signal -24 dB will further cut noise. (These variables bear adjustment through trial & error.)

Additional Notes (BW):

The file "COOL13.COM" in unpacked and may be loaded directly into a directory on hard drive of computer, for immediate use. It has its own icon in Windows Program Manager. (Drag & drop COOL.EXE file from File Manager to a Program Manager window, to set up startup icon.) "COOL13.COM" is shareware and may be freely copied and distributed to EVP researchers. Program was written by electronics Engineer David Johnston. Cool Edit is now in the second version - COOL134.COM (Also as an unpacked file) This program can be examined, even without a sound card, by using existing WAV files in windows, and/or by creating noise or sine-wave files, using the program itself. However in order to import / export ITC files, a sound card is of course, needed. Program is available on disk, see last page of this issue.

Despite being shareware, and having an unusual name, the Cool Edit program is quite sophisticated. If it were a commercial program (which it someday may be), it would easily sell for \$100 or more. Yet the registration fee suggested is only \$25 - \$50 -- depending on whether you want several future upgrades.

Among other things this program is capable of accurately editing WAV files. This is a considerable asset in eliminating noise surrounding a voice. On a typical sample tape, the operator asks a question, which is then followed by nerve racking noise in the form of radio static, or electronic noise, etc., before the voice appears. This noise, especially if there is any noise before the voice that is louder than the voice itself, desensitizes the ear, and makes the voice more difficult to understand. Such noise, both

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before and after the voice, can be completely eliminated, simply by highlighting the noise, and using the 'Trim' or 'Silence' commands. This editing technique, as applied to ITC research, was first pioneered by Mr. Alec MacRae, several years ago. Alec however had to write a program in the "C" language to do this, because there were no such programs available at that time. Cool Edit is much easier to use, and also includes many other enhancement functions as well. But hats off to Alec for pointing out the way to computer enhancement!

Cool Edit is also capable of accurate voice-band filtering. Unlike an analog filter, where we have a slight curve within the pass-band, 3 dB roll-off "corners", and sloping sides, a digital voice-band filter is flat within the pass-band, has square corners, and vertical sides. It has the additional advantage of an easily adjusted pass-band, just with a few clicks of the mouse.

However where Cool Edit really shines, is in its ability to reduce the amplitude of noise frequencies which are within the pass-band itself. Something no analog band-pass filter is capable of doing. To give the reader some idea of how sophisticated this program is, the following is a brief excerpt from Cool134's extensive Help file.

Noise Reduction (David Johnston)

"Background noise and general broad band noise can be dramatically reduced with minimal reduction in signal quality. The amount of noise reduction depends upon the type of background noise, and the allowable loss in the quality of the signal that is to be kept. In general, increases in Signal to Noise ratios of 5 dB to 20 dB can be achieved (noise is reduced 21 dB and signal 1 dB for example).

Two steps are required to remove noise. First, the noise level must be set so the filter knows what type of "noise" to remove. To do this, highlight a section of the waveform that has no important signal in it, and only has background noise, then press Set Noise Level. The statistical information about the background noise is then gathered, and you are set to remove all noise of this type from your waveform.

Once the statistical data is gathered, the second step is to highlight the section you want to remove the noise from, and choose the level of reduction you desire. A level of zero will remove the least amount of noise, and nearly no signal loss will occur. Typically the noise will be reduced about 3 dB at this level. A level of 100

will remove the maximum amount of noise, lowering the noise level by about 20 dB. If the signal you are trying to keep gets too distorted at this level, use lower values until a balance is reached between noise reduction and allowable signal distortion. Values any higher than 100 will guarantee loss of the signal that you want to retain, but this may be desired if reducing noise is more important than retaining original signal.

Distortion effects may manifest themselves a "hollow" or "underwater/burbly" sounding signal, dull sounding impacts, "rolly" high end, or a "computerish" mechanical sound. These effects, if heard at all, will fall off if the noise reduction level is reduced. The amount and type distortion depends on the type of noise that is being filtered.

Besides reducing the noise level, the type of noise that is present after reduction is entirely different than the type of noise beforehand. For example, if you are trying to get rid some "tape hiss" from a waveform, the tape hiss sound will completely disappear, and in its place about 15 dB quieter will be completely different type of noise. This noise will contain all frequencies in different combinations, thus it cannot be reduced much further without noticeable signal loss. The new noise has a "burbly" or "bubbly" quality to it, and if amplified, sounds very harmonic -- like those 1960's computers in old science fiction films. Since this is so much quieter than the original noise though, it is very acceptable.

Great effects can be generated by setting the noise level to some valid signal component in the waveform, and not the background noise. Whatever frequencies are present in the highlighted selection when Set Noise Level is chosen will be removed when the reduction level is set to 100.

Use this function to remove tape hiss, microphone background noise, 60 cycle hum, or any noise that is constant throughout the duration of your waveform. You can even reduce the noise incurred by the sound board's circuitry during recording -- just record a second of silence before whatever you want to record and tell the noise reducer to remove the sound of that silence for another 10 dB dynamic range.

Save Profile

Once the noise level is set, you can save the noise profile in a *.fft file. This file will contain information on sample type, fft size, and three sets of fft coefficients, one for the lowest amount of noise found, one for the highest amount, and one for the power average.

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Load Profile

Loads any previously saved noise profile. You can load any *.fft file that Cool Edit has saved. Eventually the spectrum analyzer and Filter functions will support *.fft files. A noise profile is only compatible if it is being used on a sample of the same type when the profile was saved. In other words, a 44K stereo 8-bit sample is not compatible with a 22K mono 16-bit profile. Also, since noise profiles are so specific to the recording environment of waveform in question, even if the sample types are compatible, a profile for one type of noise will not work on another type. Even if the audio samples were recorded with the same microphone, if the recording environment is different, the type of background noise could be different.

FFT and STATISTICAL SAMPLING settings

These settings will affect the noise reduction quality, and the type of distortion heard when reducing the noise. Try different settings to get the best noise reduction while keeping the intended signal in tact. The FFT Size parameter causes the most drastic changes in quality. Good settings for the size are 2048, 4096, and 8192. The FFT Precision Factor affects distortions in amplitude. With values of 3 or less, the FFT is performed in giant blocks that are not very continuous between the blocks. This means after each block is processed, there can be a drop or spike in volume at the interval between blocks. Values of 5 and up work best. On past about 15, there is no noticeable change in quality - just the time it takes to compute. I like to use 5 or 7 (and I think odd numbers are best for symmetric properties). The Number of Samples can be chosen for the gathering of statistical data. This number describes how many snapshots of noise to take in the highlighted interval when Set Noise Level is pressed. The larger this number, the more accurate the statistical data is. A value of 64 is plenty. You will notice that using very small numbers of statistical samples will greatly affect the quality of the various noise reduction levels. With more samples, a noise reduction level of 100 will most likely cut out more noise, but also cut out more original signal too. But, with more samples, a low noise reduction level will also cut out more noise, but most likely not disrupt the intended signal.

Special Notes

Noise reduction works best on 16-bit samples, although it will work perfectly on 8-bit samples. Because of the nature of 8-bit audio,

it is impossible to get the noise level to less than about -45 dB if even that. Noise at -45 dB is very audible, as owners of 8-bit sound cards can attest. Converting to 16-bit first, then reducing the noise will produce a sample with much less noise than can be done in 8-bit alone.

The noise reduction works best if the original signal is centered. To center a signal, highlight it and choose "Center Wave" from the Amplify function. Centering the wave adjusts the DC offset to zero. If the wave is not centered, audible clicking may be heard in really quiet situations. Since centering takes out all frequencies below about 16 Hz, it is completely safe to do without any ill side effects."

Hint (BW) -- some of the operations are quite slow (there are zillions of math operations involved), even on a 25 MHz 386 with a 387 Cyrix, so use small samples ((1K bits is the smallest), to experiment. Sampling rate is program selectable, and includes the 44.1K CD standard, and even the 48K DAT standard. The sound card must be compatible with the Sound Blaster, or one or two other standards (see help), which of course most cards are. Most cards have a maximum sampling rate of CD quality. One exception is the Paradise Audio Basic 16 DSP MMPARAB which will sample at the 48K DAT standard. (Available from Insight 800-488-0006 for \$109) The price is almost identical to the Sound Blaster 16 (\$107 at Wal-Mart), and has the higher resolution which may help a bit with low level voices, although this has not yet been actually determined. The Paradise card also has a 4 Watt per channel speaker output, making amplified speakers unnecessary.

CRYSTALS

It was reported in the Autumn '94 AA-EVP NEWS, that David Lothamer has recently started using a large quartz crystal in an experimental receiving system arrangement, with good results. (David is Research Director - Association for the Study of Electronic Voice Phenomena) The crystal is of irregular shape, and of about fist size. Wrapped with wire, it forms a crystal core coil, which is placed in series in the antenna lead. Impedance is unknown.

The crystal arrangement, is placed in a plastic 5½' x 3' x 3' project box. Antenna cable jacks are installed in each end of the box, with the ground side of the jacks connected together. A shielded cable is used from the antenna to the crystal box, and from the box to either a Radio

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Shack PRO-2023 scanner or an Air Band radio.

This crystal arrangement was first used by Dr. Vladimir Delavre, a colleague of Dr. Ernst Senkowski's. Ernst reports that Dr. Delavre is having excellent results with this device. At this time, I do not know of any explanation or hypothesis as to why this device should be of help, although on David's sample tape, it definitely seems to be of benefit.

Sarah recently mentioned that two other researchers were told to use crystals. This leaves open the question as to whether they meant very large crystals such as David is using, or were again reminding us to use very small crystals, i.e., transistors. They have already told us they can voice modulate noise generation in transistors. (SV-14/26)

For more information contact:

Mr David Lothamer
649 Vincente
Berkeley, CA 94707

COMMENT: This is a very interesting device, which is of help. It would also be a good starting point for further development, using the blind comparison method. In such hit or miss experimentation, the chances are not even one in a million of hitting upon the optional configuration by accident, on such a first try. In turn this means it is virtually certain this device could be further developed to work even better -- perhaps even much better.

Is the improved reception due to the crystal, or to the coil? Should the crystal be a different size? Should it be a regular shape? If so, what shape? Should it be a different kind of crystal? Should there be more or less turns of wire in the coil? Should the wire be a different gauge? Would it help if two or more crystal devices were put in the line, rather than just one? etc. All of these unknown parameters could be determined and developed, using the blind comparison technique. (See SV-8)

Blind comparison of two slightly different arrangements gives the other side an opportunity to indicate which system is better, and in the right direction. A series of such experiments, each one comparing a slightly different experimental design, to the design which was indicated as best in the previous comparison, gives the other side the opportunity to guide the experimenter in a meaningful way, toward better, more efficient equipment.

This is only one of the reasons for using this technique. Another reason is to overcome the problem of experimenter bias. When a

researcher builds up a new circuit to test, they naturally hope it is going to work a little bit better. And in many cases it will appear to work better when it is first tried.

For example, an experimenter has a circuit (A) they have tested, and then modify (circuit B), and test again a few days later. When they test circuit "B" they find there are a few more understandable words than they had with circuit "A". Does this mean circuit "B" works better? Well it might -- then again it might not.

It could simply mean the experimenter's friends had more to say during the second test. Or it could mean the experimenter had a better night's sleep before the second test and their transmediumistic ability was working a little better. Or it could mean the experimenter was biased because of the effort and hope involved, and that they had subconsciously listened more intently to the "B" test recording, etc. Because of such ambiguities, especially where there are only subtle differences in reception quality, such subjective evaluations of experimental results are quite unreliable. This has often lead researchers to believe, that this or that works a little better, only to later find, after it has been used for awhile, that it really doesn't work better at all.

In the case of the crystal device, was it the crystal, or was it the coil of wire? If the experimenter were to use another piece of the same wire, of the same length, and wind it on a coil form of the same diameter and length, it could be directly compared to the crystal device. (This of course, would require two identical scanners or Air Band radio receivers.) By connecting the coil to one channel, and the coil/crystal to the other, and then scrambling the cables between recorder and amplifier, they could, through blind comparison, find out which is approved by the other side, or whether they are equal. This same technique of course, could be further used to determine various other parameters, such as best crystal shape, size, etc.

Ray Kent, electronics Engineer, did a somewhat similar experiment some time back, using a high impedance coil, as a microphone substitute. His daughter received a very good quality voice using this arrangement. In this case however, a stereo recorder was used and there was a microphone on the other channel. The voice was of equal quality on both channels. If they had used only the coil, they would probably have made the assumption that the coil worked better than a microphone, which would have been in error.

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To get back to the crystal/coil comparison, if such an experiment were done, then the next question would be; is the "winner" of this first comparison, better than the airband (alone) method? It should be possible to directly compare electronic noise on the coil channel with noise on the airband channel. The important thing being that playback volume be the same on both channels so the experimenter doesn't have a clue as to which channel he is listening to, until after the tape has been completely analyzed.

If such experiments were done, the experimenter may find it is the coil they approve over the crystal -- or vice versa. He may find the crystal approved over the airband (alone) -- or vice versa. The point is that where ITC technology is concerned -- no assumptions can be made. Technical assumptions of any kind, are almost always wrong! Fortunately, this crystal device is of some benefit now. But in order to make continuous technical progress, everything must be experimentally tested and compared. Otherwise, one is just spinning their wheels in the mud.

It was just exactly this step by step, blind comparison procedure, that was used to develop the experimental transreceivers discussed in the SV series. The latest configuration of which is shown in SV-14. This design of course, is quite rudimentary, actually just a start in transreceiver development. The blind comparison method is the only technique by which the ambiguities of subjective evaluation can be eliminated. And even more important, it gives the other side the opportunity to indicate to the experimenter, whether they are going in the right general direction. Even when there is no difference in absolute reception quality, in that particular experimental design!

The ITC electronics software disk mentioned previously, contains a copy of the Cool13 shareware, which will be useful for voice enhancement and editing, as well as waveform and voiceprint examination and comparison. It also contains a two part basic program. This program consists of the recording results analyzer published in SV-13, to aid in blind comparison experimentation, and the transreceiver simulator, or computer model, published in SV-15.

These two programs have been combined into a single menu selectable program. This should save a considerable amount of work. As you know if you have ever tried it, typing in such programs from hardcopy, is a very tedious job. Not to mention that it must be 100% perfect, or the program either doesn't work right, or

doesn't work at all. A single typo can cause a program to crash.

The results analysis program is a kind of utility that saves a lot of calculator work. The data acquisition screen requests such things as recording/tape number, date, number of segments recorded that session, and brief description of the two systems being compared. For each segment it then asks how many counts were recorded, and how many understandable words were received on each channel. When all of this has been entered, it asks whether the left recorder channel was channel "A" or "B" on the amplifier, which of course is determined only after the tape has been completely analyzed, as described in SV-8.

The program then computes the results, such as total words received, total each channel, words per count on each channel, indicates which system has been approved by the other side, and by what percentage they approved one system over the other. Indicating whether or not the latest modification was approved, as going in the right direction. This program of course, is setup to analyze the results of blind comparison experimentation, which for several reasons I consider an essential technique.

RUSH BOX RECEIVERS

A very interesting suggestion was made recently by Mr Jeff Duntemann, Radio amateur, and Editorial Director of PC Techniques Magazine & Coriolis Group Books. Jeff suggested experimentation with superregen radio receivers because of their high sensitivity and incorporation of the feedback principle.

As we know, use of the feedback principle in transreceiver electronics, has been recommended by the other side, through several researchers, including Mary. Feedback was also used in the O'Neil system. Such "Rush Boxes" as they are nick-named, could be experimented with as stand alone receivers, or could be experimentally substituted for the electronic noise generator in experimental transreceivers.

Jeff submitted information about several simple Rush Box designs, such as the one quoted here (SV-16/16), from the July 1967 issue of QST. A brief quote from the accompanying article states:

"Performance tests showed that the receiver has good immunity to cross-modulation and overload. When used with a 125-foot end-fed wire at the writer's QTH, no spurious signals

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could be heard despite the close proximity of several TV, f.m., and a.m. broadcast stations. The sensitivity is good; a 0.3-uv. 30-percent modulated signal produced a perfectly audible response from the speaker. The selectivity is such that a 1000-uv. signal occupies approximately 400 kc. of the band. Weaker signals occupy less space."

The high sensitivity aspect of this device would probably not be of much help, since there is no radio signal to tune in. A considerable amount of effort, by numerous researchers, in searching the radio spectrum, over a forty some year period of time, has never located any kind of signal transmitted from the other side of the veil. (Unless of course, one is willing to believe the preposterous Luxembourg fairy tale about radio and TV messages being broadcast from a "transmitting station" on the planet "Marduk", which is located somewhere in the Pleiades Star Cluster — *signals no one outside Luxembourg has ever been able to detect*! - Whatever the problem here is, it is not the distance. We are told from Luxembourg, that when they want to use the "transmitter", they simply *move the whole planet* from the Pleiades Star Cluster, to the vicinity of Earth!) It is of course, precisely because no such transmitting equipment is possible in the spirit world, that communication is so difficult, and requires Transmediums for

reasonable quality reception.

The important thing in Jeff's suggestion, is that the Rush Box circuit, uses a feedback type detector. We are told to use feedback, and also that one of the PK effects the other side has on electronics, is the voice modulation of electronic noise generation. The "rushing sound" from which Rush Boxes got their name, is of course, static which has been highly amplified by positive feedback.

If no antenna, and perhaps no RF amp. front end is used, and there is high enough amplification for a similar rushing sound to be heard, it would be electronic noise generated within the Rush Box circuit itself. This would have to be noise generated at the junctions inside the detector transistor. Which in turn is exactly one of the conditions the other side specifies.

The interesting part in this design, is the electronic noise would be generated within a positive feedback loop. Combining two of the specifications given to us from the other side, the feedback principle, and electronic noise generation, might enhance, perhaps considerable enhance, the quality of voice reception. In any case, we would like to thank Jeff for submitting a very interesting suggestion for experimentation, that could turn out to be of considerable benefit.

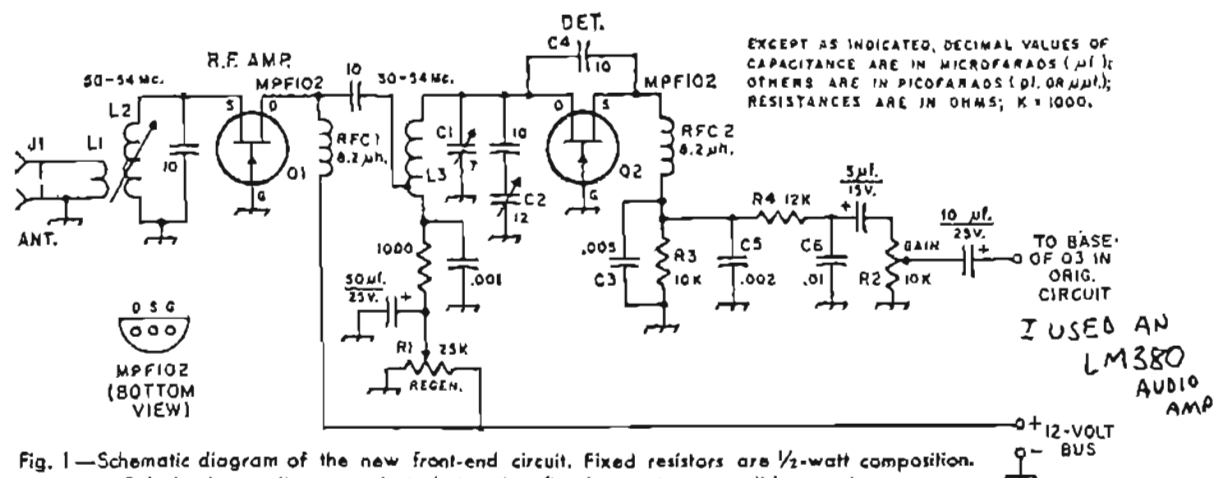


Fig. 1—Schematic diagram of the new front-end circuit. Fixed resistors are 1/2-watt composition.

Polarized capacitors are electrolytic; other fixed capacitors are disk ceramic.

C₁—1.5- to 7-pf. ceramic trimmer.

C₂—12-pf. miniature variable.

C₃—C₈, inc.—For text reference only.

J₁—Phono connector.

L₁—2 turns small-gauge insulated wire over ground end of L₂.

L₂—9 turns No. 24 enam. wire, close-wound on 1/4-inch diameter slug-tuned form (Miller 4500-4).

L₃—10 turns No. 20 tinned copper wire, air-wound to

1/2 inch dia., spaced one wire diameter between turns. Tap 2 1/2 turns from d.c. feed end.

Q₁, Q₂—MPF102 JFET. (Motorola component available from any authorized Motorola distributor.)

R₁—25,000-ohm linear-taper control.

R₂—10,000-ohm audio-taper control.

R₃, R₄—For text reference only.

RFC₁, RFC₂—8.2- μ H. miniature choke (Millen J300-8.2).

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ATYPICAL GRAPHS

The following incidents of atypical phenomena are listed from memory, as I have not yet had time to build a data base of this unusual phenomena. Such incidents however, are so extremely rare that one tends to remember. Nevertheless the following figures are to be taken as approximations, rather than exact figures. Changes as necessary, to make this list more accurate, will be made in future issues. Since any number of telephone, FAX and E-Mail calls can be made all over the world, by one person from a single location, instances of such messages are listed according to the Teams from which the calls originated. All other phenomena is listed according to the number of Teams who received such messages. A Team is considered to be a single researcher, or single couple, plus their transpartners.

TV IMAGES (received)

Independent Researchers

Single instance	4 Teams
Multiple instances	0 Teams

Among independent researchers, I can recall reports from only 4 different people in the past 20 years, of paranormal TV images. For 3 of these recipients, there was only a single incident. One received images, I believe on two occasions. There were no cases of independent researchers receiving images on 3 or more occasions.

Luxembourg Group

Single instance	1 Team
Multiple instances	1 Team

In the Luxembourg group, one member, Homes, claims to have received images on one or two occasions. The Harschs, on the other hand, seem to have their own private TV channel with the spirit world. Claiming to have received 2 or 3 dozen computer and TV images. These images, mostly mundane characters on mundane backgrounds, contain so many inconsistencies, contradictions and impossibilities, that it would require a whole chapter to go into detail. Suffice it to say that one needs an extraordinary amount of faith (and a bit of gullibility), to believe all the Luxembourg images are genuine.

Critics charge that many of these images appear to be composites made by manually and/or electronically pasting cutout figures on

an assortment of quite mundane backgrounds. And point out that such composites can be easily enlarged to poster size, and then photographed with a camcorder. The tape can then be played via VCR to the TV. Snapshots of the TV set displaying the image on the screen, can then be presented as "proof" that the image is "paranormal". Computer images and composites are even easier to make, using scanned photographs and image processing software. Like TV images, they can be photographed right from the computer screen and presented as "proof" of the "paranormal".

It should be noted that the Harsch team is the only team to report reception of multiple instances of TV images. And are not only the only team to have ever reported receiving any computer images, but further, claim to have received multiple instances of such images. Like the TV images, the computer images are quite mundane, and contain numerous highly questionable inconsistencies, and contradictions.

COMPUTER TEXT (received)

Independent Researchers

Single instance	2 Teams
Multiple instances	1 Team

Among independent researchers, there are only three I can recall, who have reported computer text messages, despite the fact that numerous people have requested, and attempted to receive this kind of message. Two of these were single instances, the third, Webster, first to report computer text, claims to have received a number of such messages. In only one instance, has the actual reception of such a message been observed, even by the person who owns the computer.

Luxembourg Group

Single instance	0 Teams
Multiple instances	3 Teams

The Luxembourg group, on the other hand, appears to be connected to the spirit world through a LAN network. With claims by all three teams of the Luxembourg group, of multiple instances of computer messages. None of which supposedly, have ever been actually witnessed. It hardly needs to be pointed out, that if one were so inclined, they could type out any kind of message on a computer, and then claim it came from the other side. and no one could directly prove it did not. Which makes computer text, probably the easiest ITC phenomena to

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falsify

COMPUTER IMAGES (received)

Independent Researchers

Single instance 0 Teams
Multiple instances 0 Teams

To the best of my knowledge, no one but the Harsch team, has ever claimed to have received a paranormal computer image.

Luxembourg Group

Single instance 0 Teams
Multiple instances 1 Team

-- See TV images above.

PHONE CALLS (source)

Caller Identified

Independent Researchers 0 Teams
Luxembourg Group 0 Teams

In nearly 21 years in this field, there has only been one single paranormal phone call that I know of, from an identifiable spirit. This case does not involve an ITC experimenter, so it will not be included on the graph. But it is nevertheless interesting.

Briefly what happened was that within a few days after Prof. Uphoff's secretary went through the transition, she called his office about a matter she had not attended to before unexpectedly being taken to the Hospital. Prof. Uphoff is absolutely certain no one else but him and her knew anything about this particular matter, and that she is the only person who could possibly have made this phone call.

PHONE CALLS (source)

Caller Unidentified

Independent Researchers -- 0 Teams
Luxembourg Group -- 1 Team

All reported telephone calls to date have supposedly been made by the transpartners of the single Luxembourg team. Three individuals are reported to have made these calls. "Dr Salter", who has made calls only within the Luxembourg group, "Carlos de Almeida", who was introduced by "Dr Raudive", in a single call, and of course, "Dr Raudive", who has made all other calls.

The "Raudive" phone calls to the USA, are perhaps of most interest to our readers, so we will go into a bit more detail about these, than about the other atypical phenomena. Basically what happened, is that around the latter part of Jan. and early Feb. of '94, there were phone calls to five people here in the States; Sarah Estep, Hans Heckmann, Mark Macy, George Meek and the Uphoffs. The voice on the other end of the line, claimed to be Dr Raudive. Two people, George Meek and Mark Macy, each received two calls. Three calls were recorded on tape. One each by Sarah Estep, Mark Macy, and George Meek.

If a lady were to call, speak with a French accent, and claim to be Madam Curie, there would be no way to determine whether it was actually her or not. The "Raudive" calls were in the same classification. The voice claimed to be a certain historical character, who was not personally known to any of the recipients. Except of course, by reputation.

No one who received these calls was a friend, relative, coworker, or had even met the real Dr Raudive, before his transition, and therefore no one had any basis of familiarity, upon which to make an identification. Since there is a reluctance to allow voiceprint comparisons to be made, **and since "Dr. Raudive" has very studiously avoided any and all opportunities to identify himself**, he still remains an unidentified voice on the other end of the phone line.

At first there was some speculation that the calls were "direct voice", i.e., that "Dr Raudive" was present where the calls were received, and had caused his voice to appear as an acoustic voice near the telephone. On closer examination however, this hypothesis turned out to be invalid. One call was made to Mark when no one was home, a call to George when he was outside the house, and a call to Hans when he was baby-sitting his granddaughter, who at the time was being sick. From this, it became quite obvious that "Dr Raudive" had not the slightest idea of existing circumstances at the recipient's end of the phone line.

In addition, in each case the phone was caused to ring, which most probably required a signal through the phone system. Sarah was using a suction cup coil pickup type phone recorder which recorded "Dr Raudive's" voice. Which of course would have been impossible unless the voice existed as an electronic signal inside the phone. Most evidential however, is that Mark Macy's call was received on an answering machine, which could have been activated, and a

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voice recorded, only through the phone system, rather than by a "direct voice", i.e., an acoustic signal. All of which taken together, leaves no room for doubt that these were anything other than ordinary telephone calls through the telephone system. (Two recipients described the calls as having a sense of "presence", and little or no background noise, which probably means the calls came through the relatively new MCI type Dynamic Noise Reduction call relay system.)

As most of you know, the normal means of communication between those on the other side of the veil, is telepathy. Which stands to reason, since they no longer have a physical body with which to create acoustic sounds, and being no longer encased in matter, releases and clarifies their mental faculties. What some may not know, is that the other side is also very adept at reading the thoughts of us embodied persons. In fact, during recording, the only reason for speaking our questions, is so we have a taped record of what we said. The other side already knows what we are going to ask, before we speak it out loud.

Last year, during the discussion of the "Raudive" phone calls, I suggested to those who had received these calls, that they prepare in advance, a couple of mental questions to ask "Dr Raudive", if he should call back. Asking such unspoken questions would be of considerable help to him, in positively identifying himself.

If any of those he had already called here in the States, especially the "Old Timers", were to tell us he had called again, and that he had answered *specific* unspoken questions they had ask, it would go a long way toward establishing the callers identity.

However, for some strange reason, since this suggestion was made nearly a year ago, "Dr Raudive" has made no more telephone calls to anyone here in the States, and has thus far passed up this excellent opportunity to actually identify himself. Is it possible that unlike *real* spirits, "Dr Raudive" might have some kind of problem with answering such unspoken questions? Especially during the course of a transatlantic telephone call, *from this side of the veil*!

(A copy of the letter in which I made this suggestion, was mailed to "Dr Raudive" so that he would know in advance that he was being presented with yet another opportunity to positively identify himself. Actually the letter copy was addressed to the Harschs, who's mailing address is the same as that of "Dr Raudive". By his rapid response to comments made in this

and other letter copies, "Dr Raudive" has made it quite obvious that he reads all the Harsch's personal mail.)

There were also at least two other *golden opportunities to positively identify himself, passed up* by "Dr Raudive". But first, during a call to Sonia Rinaldi, in Brazil, "Dr Raudive" turned over the "microphone" to "Carlos de Almeida". It was not stated if Sonia Rinaldi, to whom the call was placed, had known the embodied Carlos, well enough to identify him, or had ever even met him in person. So like "Dr Raudive", "Carlos" remains an unidentified voice on the other end of a phone line. Which means we have no way of knowing that "Carlos" was not just "Dr Raudive" changing his voice, as impersonators do to entertain us on TV. This incident is mentioned here because it proves that "Dr Raudive" has no problem turning over the "microphone" to another "spirit".

However, in a call to Mr Meek, "Dr Raudive" stated that he had Jeannette, George's "deceased" spouse, right there beside him, yet failed to turn over the "microphone" to her as he had with Carlos, for what could have been only a joyful reunion and communication between loved ones. At the same time, in just a brief exchange, George could have positively identified Jeannette, who in turn could have positively identified the person who put her on the "line", -- *Yet no such thing happened!*

Essentially the same thing was repeated during a "contact" in Luxembourg, more recently. Again "Dr Raudive" claimed the spirit spouse of a person present in the room, was with him, but failed to put this "spirit" on the "line", so they could be positively identified.

The whole thing is reminiscent of the kind of thing professional mediums are always telling their clients -- "Why your Aunt Jenny is here with us right now, and she sends you her love and greetings, etc., etc." And of course, for the rest of their life, the client will be telling everyone they actually "spoke with" their Aunt who is on the other side of the veil.

What could be the problem here with "Dr Raudive's" failure to pass the "microphone" over to someone who is well enough known here on this side, to be positively identified, and in turn positively identify "Dr Raudive"? Is the problem that "Dr Raudive" has not yet figured out how to pass the "microphone" from *this side* of the veil, to someone on the *other side* of the veil?

After the Carlos incident, it was questioned in a letter as to what "microphone" "Dr Raudive" had turned over to Carlos. (Again a copy of this letter was mailed to "Dr Raudive".)

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We shortly found out from Luxembourg, that "Dr Raudive" does not use a microphone at all -- what he does is concentrate his voice into some kind of apparatus on the other side. (How anyone can take these stories from Luxembourg seriously, stories that change with the time of day, remains a mystery to me.)

In either case, this is an outright fabrication on someone's part. If any such "apparatus" existed in the spirit realm, people all over the world would be receiving numerous phone calls from family and friends. *It is precisely because no such equipment is possible in the spirit world, that communication is so difficult, and Transmediums are necessary to bring through messages that are reasonably easy to understand.* Real spirits do get through by concentrating on the equipment. But the spirits are on the other side of the veil, and the equipment they concentrate on, is here on this side of the veil -- just exactly as Dr Mueller told Bill O'Neil.

Probably the single most discussed matter about the "Raudive" phone calls, was the matter of breathing. Evidently, in placing these calls, "Dr Raudive" either thought ITC researchers were so unobservant they would not notice the breathing, or he simply forgot (*or did not even know*) that spirits do not breathe.

The breathing was the first thing Mary noticed when she heard the phone calls recording. Mary who has been through several near-death experiences, and at times is able to go out-of-body to communicate with those on the other side, assures me that spirits (real ones) definitely do not breathe.

In no case that I know of, in the hundreds of thousands of voices EVP/ITC researchers have recorded, has there ever been a *single incident* of breathing by a *real* spirit. At times when I have personally recorded, I have been told there were as many as two dozen or more spirits present in the small room. At no time have I heard the sound of breathing, either on tape or in the room. In fact, other than "Dr Raudive", the only breathing "spirits" I have ever heard of, are the obviously breathing Leslie Flint "direct voice spirits", about which many people are very skeptical.

In any case, in the three USA phone calls that were recorded, there is quite noticeable breathing. The breathing on the call Sarah received, is especially heavy. It has been remarked that in this call, because of the heavy breathing, "Dr Raudive" seems very nervous. Which was no doubt true, because this was his most important call. If he was going to promote the Luxembourg phenomena in the USA, it was absolutely

essential he first of all convince Sarah.

And promotion seems to be exactly "Dr Raudive's" motive for these calls. Of the five people who received these calls, three are writers on the subject of EVP/ITC, one is translator of the Luxembourg material, and the fifth is co-founder and supporter of the organization which is publicizing the Luxembourg phenomena. All of whom "Dr Raudive" is obviously trying to encourage to support the Luxembourg claims.

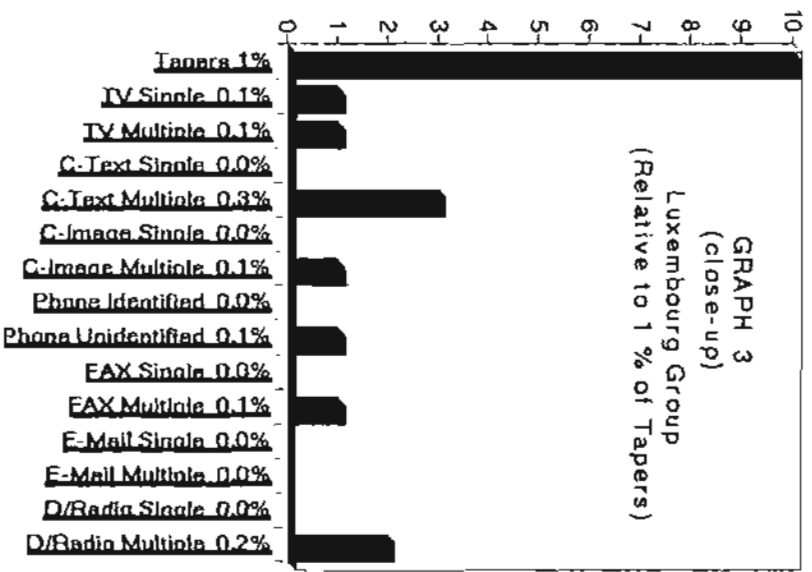
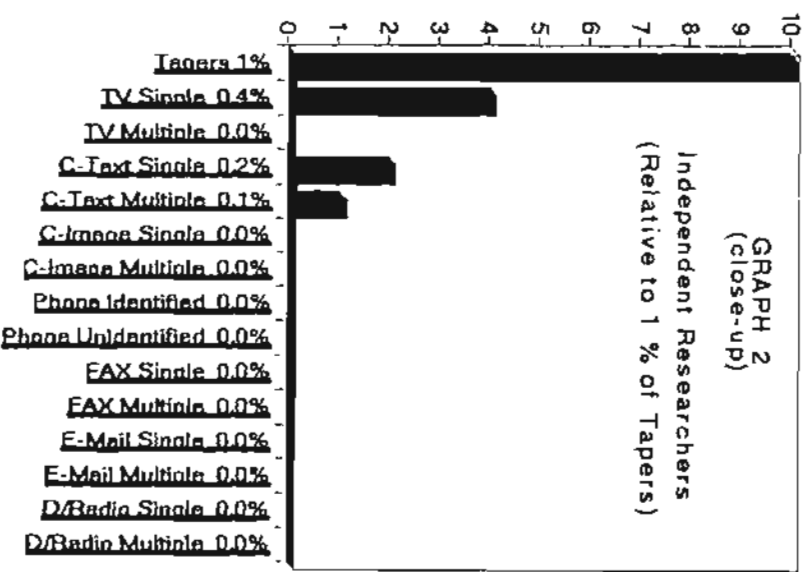
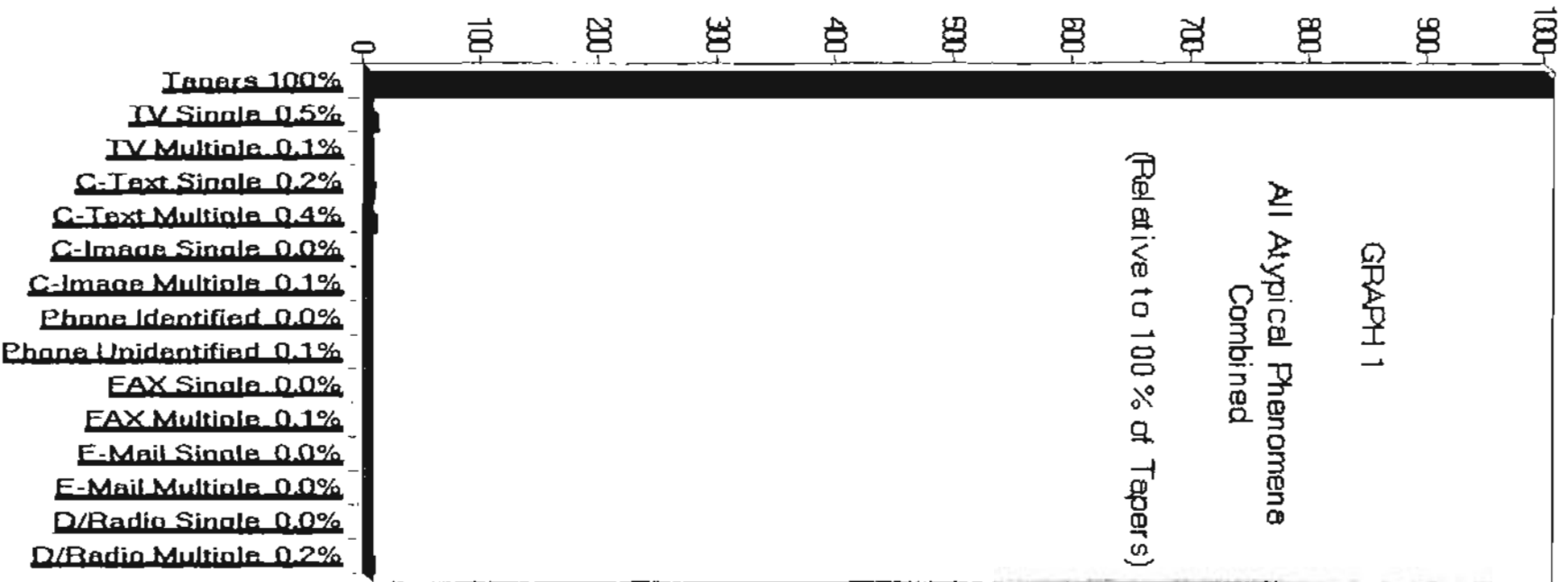
Rather than just three people in this country writing on the subject of EVP/ITC however, there are actually four, including myself. If you are curious why the fourth ITC writer was not also honored by a call from "Dr Raudive", this is unknown. However, I suspect the fact that we have only a cellular phone, which is expensive to use, and to which we do not give out the number, may have something to do with this. Since "Dr Raudive" evidently gets his phone numbers, including numbers that are unlisted, from the Luxembourg data base, and since they do not have our number, there was no way "Dr Raudive" could call Mary and I. Of course if "Dr Raudive" were actually a *real* spirit, such a thing as a phone number would be no problem, since he would either not need it at all, or could get it from our phone by visiting our residence.

In any case, the breathing in Mr Meek's recorded call was quite normal, just as one would expect it to be with any embodied caller. Before the call received by Mark's answering machine was received however, the controversy about the breathing had already started. And in this call the breathing was quite a bit lighter. Evidently, "Dr Raudive" was now trying to breathe as lightly as he could, and/or turning his face away from the phone to inhale. No doubt intending to fade out the breathing altogether over the next few calls, using one of several possible techniques, and then hope the breathing controversy would die down and be forgotten.

Which is just what I was afraid would happen, because many more people in the general public, would be taken in by phone calls from a non-breathing "spirit", than by phone calls from a breathing "spirit". At this point I pointed out in a letter, that after starting out with obvious breathing, if "Dr Raudive" later stopped breathing, it would be obvious he was an impostor. Which of course was true. Again a copy of this letter was mailed to "Dr Raudive".

Again the response was soon forthcoming. "Dr Raudive" stated in the call to South America, that he hopes everyone can hear him

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breathing. -- Well I certainly hope so too, so that everyone has an opportunity to determine for themselves, as to which side of the veil these calls are actually being made from !

Soon after the breathing controversy started, it was explained from Luxembourg that the breathing we were hearing, was the breathing of "Dr Raudive's" spirit body which is composed of "finer matter". Evidently, "Dr Raudive" is the only spirit to have such a "finer matter" body, because in ITC communication, he seems to be the only spirit we hear breathing. And judging from the heavy breathing in his call to Sarah, he must have a very dense "finer matter" body. In fact, his breathing imitates a physical body so well, it would be impossible to tell any difference !

In any case, this explanation is ridiculous ! As those who have had near-death and out-of-body experiences know very well, spirits can float through walls, ceilings, solid objects, etc., without the slightest bit of resistance. This means that if there is such a thing as "finer matter" in spirit bodies, which in itself is highly speculative, that there is absolutely no interaction between this "finer matter", and matter as we know it. In turn this means that "finer matter" spirit bodies could have no possible effect whatsoever, on air molecules in order to cause the sound of breathing. (Or the sound of a voice either, for that matter.)

Did I hear someone mention the "ectoplasmic larynxes" spirits are supposed to form in order to speak ? Soon after the time the Fox sisters started the mediumistic fad during the last century, a shop opened in New York City, to cater to the needs of professional mediums. For quite some time one of their most popular items was ectoplasm, which they sold by the yard from bolts of material. It seems mediums found out that in an almost totally darkened room, white silk cloth made great "ectoplasm". And this "ectoplasm" of course, could do marvelous things, such as forming "larynxes" so that "spirits" could speak to their clients.

A larynx however, in and of itself, is not capable of generating sound, until it is activated by moving air. This in turn would require "ectoplasmic lungs". But lungs alone cannot move air until they are compressed, which would require "ectoplasmic chest muscles". In turn muscles cannot work unless they have a solid attach point to pull against, which would require an "ectoplasmic skeleton".

Unfortunately, even this would not be enough because muscles also need energy to operate, which means an "ectoplasmic" circulatory

system, a digestive system, and some kind of food to convert into chemical energy. In a word, in order for an "ectoplasmic larynx" to work, would require that spirits create virtually a complete functioning "ectoplasmic" human body. Which is ridiculous !

Since the creation of semi-material "ectoplasm" by the mind of spirits, in order to effect matter (air), is by definition, a psychokinetic effect, it would be much more logical to suppose that in direct voice effects, if they actually exist at all, spirits directly cause compression/decompression waves in the air via PK energy. Certainly this would be far more direct and require much less energy, than creating a whole bunch of miscellaneous "ectoplasmic" body parts.

In the radio voice of "Dr Raudive", recorded in Luxembourg in 1987, strangely enough "Dr Raudive" is not breathing. In a recent contact through Homes, by the same "direct voice by radio method", "Dr Raudive" is now obviously breathing. Evidently, sometime after 1987, "Dr Raudive" discovered that he needed to breathe while making "ITC contacts". Most probably, when "Dr Raudive" recorded the tape for the 1987 radio contact, the recorder microphone was far enough from his mouth so as not to pickup the sound of his breathing. And then, after the controversy about the phone call breathing and his promise to let everybody hear him breathing, when he recorded the tape for the Homes "contact", he made sure the microphone was close enough and that he was breathing heavy enough, so that his breathing could be heard clearly.

During the past century, professional mediums have built up layer after layer of fabrication and myth, trying to keep their clients convinced, happy that the spirit world was just the way they wanted it to be (?), and coming back for more. One of these myths is "breathing spirits". So much of this mystical nonsense has accumulated, that at the present time investigators probably do not actually know 1/10 of what they think they know about the spirit world. Every time I mention "breathing spirits", Mary just smiles and shakes her head. Its a total mystery to her how anyone could take breathing "spirits" seriously.

To recap, real spirits do not breathe, because they no longer have anything to breathe with. (Why is this so difficult to understand?) An embodied person however, does need to breathe. If an embodied person is going to impersonate a spirit, they cannot simply stop breathing for awhile in order to do this, so there

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has to be some kind of "explanation" of why their breathing is being heard. This "explanation" comes in two versions. One has it that it is the breathing of their "finer matter" body that is being heard. (Why don't we hear their "finer matter" body breathing when they are in the room with us during taping sessions ???) The second "explanation" has it that spirits form an "ectoplasm" "larynx" in order to speak to us, and that it is the "breathing" of this larynx that is being heard. Both of these explanations are ridiculous, but they will probably both still be with us until ITC communication has advanced far enough to at least eliminate the spirit "breathing" myth. (Where spiritual matters are concerned, I'm inclined to agree with the general attitude of the Indian Nations, which seems to be-- "Paleface learn -- take long time" !)

Paranormal voices are the result of a mental effect on electronic equipment and possibly in very rare cases, a direct mental effect on air molecules. In either case it would require the expenditure of unnecessary extra energy to project the sound of breathing, in addition to the voice. Since spirits are always as economical as possible with communication energy, the only way they would waste such energy projecting the false sound of "breathing", is if they were trying to deceive someone into believing they

were embodied. (Or of course, if they actually are embodied in the first place, trying to pretend they are a "spirit".)

In a call to a person in Sweden during the past year, "Dr Raudive" promised the recipient that the next time he called, he would "try" to speak Swedish. The real Dr Raudive, who was born in Latvia, was a Swedish citizen and spoke fluent Swedish. It would be very natural for him to speak this language, and he would have already done so. He would not have to "try" to speak Swedish. Evidently the impostor "Dr Raudive" is still trying to learn the Swedish language.

On a recording which includes the "Dr Raudive" recorded by Sarah Estep in Luxembourg in 1987, and copies of the three phone calls that were recorded here in the States in early '94, there are several things noticeable. The first most noticeable thing being "Dr Raudive's" slow, tired, dreary, Hollywood "voice of the crypt", sound. When I heard this recording, my first impression was that it had to be a joke. But this was no joke, at least not the kind of joke that is intended to be funny.

I remarked about this in a letter to Sarah during the course of the round table discussion that followed the phone calls. (A copy of this letter was also mailed to "Dr Raudive".)

Reader Comments

"I feel you add a technical slant that is badly needed in this interesting subject."
--Electronics Engineer

"I always enjoy reading your mail and newsletter. You have a logical, precise and very informative way of writing."
--Electronics Technician

"I was very pleased to get your "Spirit Voices" Newsletters. You are to be congratulated on the effort that you have put into the work."
--Clergyman

"Last weekend I received the copies of SV issues you sent to me. They were fascinating reading and I sure want to receive the next issue."
--Physicist

"Thank you so much for your letter and very interesting copies of Spirit Voices. From what I have already read, I can say that I agree with your views. Obviously you went to a lot of trouble to produce these magazines in order to help and encourage others to take a serious interest in TC."
--EVP Research Director

"Thanks much for your ongoing work in *Spirit Voices*. It's by far the best thing I've ever seen on EVP, technical or otherwise."

"I just read SV-15 straight through -- fabulous! Thanks for your tireless perseverance."
--Radio Amateur

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Consequently, in the latest incident, in this case a phone call to Sweden, "Dr Raudive" now sounds more "lively", as a normal spirit would.

In deliberately changing the way he sounds, the impostor is admitting to all of us, that his Hollywood "voice of the crypt" imitation, was a lie. Evidently, until the matter was brought up in letter, this charlatan had no idea what a real spirit actually sounds like, and took his cue from Hollywood movies, thinking this "voice of the crypt" sound, is what ITC researchers expected to hear. Which at least suggests, that like some professional mediums, "Dr Raudive" does not believe there is any such thing as real spirits, or that anyone actually knows what they sound like.

"Dr Raudive" has made several serious mistakes, the sum total of which lowers his credibility rating to zero. But overall the most serious mistake this charlatan has made, is in assuming ITC researchers are as gullible as the clients of professional mediums and channelers, and would therefore believe anything, no matter how ridiculous.

FAX (source)

Independent Researchers

Single instance 0 Teams
Multiple instances 0 Teams

No transpartners of any independent research team, has ever been reported to have sent a FAX message.

Luxembourg Group

Single instance 0 Teams
Multiple instances 1 Team

Transpartners of the Luxembourg team are claimed to have sent multiple FAX messages, all of which were sent to Luxembourg group members.

E-MAIL (source)

Independent Researchers

Single instance 0 Teams
Multiple instances 0 Teams

No independent researcher has reported the reception of E-Mail, or claim that paranormal files have appeared in their computer.

Luxembourg Group

Single instance 0 Teams
Multiple instances 0 Teams

The Luxembourg group has not claimed to have received E-Mail as such, but 2 teams have claimed files have appeared in their computers. Since other than signal flags, E-Mail is about the only means of communication that has not yet been reported from Luxembourg, we can logically expect that it will be next on the agenda, and so provision has already been made on the Graphs for this possibility. Who knows? -- perhaps in the due course of time, "Dr Raudive" will be so kind as to give us his InterNet address.

DIRECT/RADIO (received)

These are voices which Dr Senkowski describes as "direct voice by radio". Unlike ITC, these voices, are loud, clear, "long winded", appear only in association with radio receivers, and give the impression of having been transmitted to the radio, from a nearby wireless microphone. They have appeared only in the Luxembourg group.

Independent Researchers

Single instance 0 Teams
Multiple instances 0 Teams

No independent researchers have ever reported reception of such long, loud, clear, radio messages.

Luxembourg Group

Single instance 0 Teams
Multiple instances 2 Teams

Direct/radio voices have been reported by the Homes team, and the Harschs, who seem to be quite adept at producing "phenomena" on demand, have demonstrated such voices to audiences of up to 30 people. As far as I know no steps have been taken to determine whether or not these "spirit" voices are being transmitted from a wireless microphone. Although one thing is quite curious. In the radio method, the only thing necessary is to find any unused frequency on the dial. The Harschs, on the other hand, have to tune in a precise frequency, to receive these voices from the "great beyond". Since there is no such thing as a transmitter in the spirit world, or tens of thousands would be communicating with us through ordinary radios, the only reason to tune to a precise frequency, would be to tune in a local transmitter, such as a wireless microphone. Which probably explains why "Dr Raudive's" direct/radio "contacts" are limited to members of the Luxembourg group, whereas his telephone "contacts" have been

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made all over the world.

Although on the surface, electronic phenomena such as the Luxembourg group TV images, computer text and images, FAX and E-Mail messages may appear to be impressive, it must be remembered that *none* of this phenomena has actually been witnessed by independent observers. In addition, "Dr Raudive" remains the voice of an unidentified person, heard only from radio receivers of the Luxembourg group, and through telephones. A voice which has very *diligently avoided* being positively identified.

It is not my purpose to tell anyone what to think. It is my purpose to bring up matters that need to be seriously thought about. All of us would like all reported phenomena to be genuine. However, in light of current affairs, this is unrealistic, -- ignoring evidence, rationalization, and wishful thinking, does not advance ITC research.

NOTES

❖ TRANSLATIONS- We would like to extend special thanks to Mr Hans Heckmann for the tremendous amount of work he has been doing in translating EVP/ITC material from German into English. Hans has been translating important information from the journal TransKommunikation and from the VTF POST, as well as excerpts from correspondence, and other material. He has also been Translating InfoNews, the newsletter of the Luxembourg CETL, and has recently translated a small book from the same source.

Over the years these translations have run into many hundreds of pages and countless hours of tedious, time consuming work. Without such translations, English speaking researchers would essentially be blind, deaf and dumb, about the important work going on in Europe, much of which is in German.

Translations of this quality require not only someone who is quite fluent in both languages, but also someone who is quite knowledgeable in electronics, and further yet, someone who is quite knowledgeable in the whole field of EVP/ITC research.

Hans was born and raised in Germany, and later married an American lady and moved to the United States, where he has now lived for many years, and has become very fluent in the English language. Hans is also an electronics Technician, worked with METAscience, and was responsible for much of the technical work done

by that organization. Since then he has continued to advance the field of EVP/ITC research through the translation of very valuable information. A task for which he is uniquely qualified. Hans deserves a hardy round of applause from all of us here in the English speaking world, for his tireless efforts.

❖ ORGANIZATIONS- A new organization, the Transcommunication Society U.K., has recently been founded by Mr Jonathan Marten (MR) (Theoretical Physics), and Mr Donald Broad (MR) (Applied Physics and Head of Research). Mr Marten reports they have recorded some good clear voices, and are also designing new equipment to use for Transcommunication experiments.

Transcommunication Society U.K.
59 Helmsdale Close, Reading
Berkshire, England
Tel: (01734) 416385
(24 HR Answerphone)

❖ VIDEO- One classification not yet listed on the graphs, is video images obtained with a special video feedback arrangement. This setup causes a continuously changing display of colors and patterns. It is believed that some of these patterns, which appear to be of recognizable objects and persons, and stabilize on the screen for a longer period of time than random patterns, are of paranormal origin.

Several people have worked with this type of experimentation, one of the most notable being Erland Babcock, who has done much more work in this area, than anyone else here in the United States. This method appears to be the first real technical step toward the development of video reception. As audio reception develops, it should also increase our understanding of what needs to be done to advance video technology.

❖ PHONE CALLS- Two more phone calls should be added to the phone call representation, on the independent researchers graph. One was an answering machine call received by Mr David Lothamer, which he believes to be paranormal. It was also reported in the winter AA-EVP Newsletter that Mr Richard Berman received a call he believes was from his departed Father.

❖ INFORMATION- As you know, the folks in Luxembourg give the impression that they are the only people, with the possible exception of

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the real Dr Raudive and a few others, who have ever done anything in this field, and are reluctant to even mention work and material made available by other people. I do not believe in such censorship. The reader already knows what my personal opinion is of the Luxembourg "phenomena". I will not however, use my personal opinion as an excuse to censor material our readers should know about. The most informed opinions are based on the greatest amount of information.

The following is available from Continuing Life Research, P.O. Box 11036, Boulder CO 80301

Tape- The Miracle of ITC (\$10) -Macy

Book- The Miracle of ITC (\$12.95) -Macy/Kubis
(available in Feb. '95)

Book- Breakthrough II (\$12.95) Harsch/Locher
(available in March '95)

❖ **SUBTITLE CHANGE-** Beginning with the next issue, the subtitle of this paper will be changed from Transcommunication Technology, to EVP Technology. A subtitle which better describes the actual technology of electronic communication with the spirit world. Technology based on experimentation instead of mysticism, actual information and instructions from the spirit realm instead of fairy tales, and expanding electronic voice communication, of value to an increasing number of people, instead of novelty phenomena of limited use and questionable origin. The real communications technology which we have, are, and will be engaged with, in the future.

Research Materials Available

❑ **COOL EDIT-** version 1.34, sound editing and voice enhancement shareware for Windows. Written by Mr David Johnston, electronics Engineer. Shareware fee requested- \$25 - \$35. 3 1/4" high density IBM compatible format. Disk is free upon request to SV subscribers. (If you wish to do so, a dollar or two, or blank disk is appreciated, but not required.) Disk also includes the blind comparison analysis program, and the Transreceiver simulation program published in recent SV issues (freeware). These two programs require either the Qbasic or GW-Basic program in order to run, one of which should be on your computer, if you have a later version of DOS.

❑ **SV Back Issues-** All back issues of the SV papers are available. Individual issues are \$5 each, three or more issues, \$4 each.

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Because of the controversial nature of some of the material in this paper, it is highly recommended that you ask your own friends, family and associates, on the other side of the veil, any questions you may have. Your friends in the great beyond, are in a much better position than any of us here, to know the truth about such controversial matters. And being spirits you have personally known and worked with, they can be better trusted to tell you the truth, than spirits unknown to you, who are, or are claimed to be, the transpartners of other researchers.

It is not the purpose of this paper to tell you what to think, or to tell you that you should simply have blind faith in this or that phenomena, as some have been trying to do. ITC is not a religion or a cult. It is a joint volunteer research effort, for the benefit of everyone. It is our purpose to gather and distribute as much information as possible, from both sides of the veil, to help you in your own search for truth and knowledge, and especially to help you in your own personal efforts in direct, one on one, communication with the other side.

Spirit Voices is edited and published, as time and materials permit, by Bill Weisensale, P.O. Box # B.Q., Barstow, CA 92312-3030, United States of America. 4 issue subscriptions are \$20 Domestic, \$24 Overseas (Airmail)

Reader comments are invited

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Viewpoints expressed in this paper are strictly the Publisher's own opinions, and in no case are to be thought of as representing the views of the AA-EVP.

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of the Electronic Voice Phenomenon
for the enlightenment of Humanity.*