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*About the Institute*

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.



or selectionists

~~readers~~ ~~that~~ still dominates are the young minds, who do not dare to be logical lest they might never find a proper position. To whom we <sup>explained</sup> ~~just~~ that, we got a treatment similar to that given to Goldschmidt, one of the great European scientists ever to visit just in America, even a quarter of a century after his death, ~~seemingly~~ in Berkeley, the place that his research made ~~to~~ famous in ~~Europe~~ any European biologist, find it necessary to make fun of his current ideas that still do not fit their logic. Scientists in America have studied phylogeny considerably more thoroughly than here in America, and we have utilized all kinds of methods and logic to find weaknesses in the so-called theory, ~~providing~~ that postulates that phylogeny favors plants growing under extreme conditions so that the frequency of polyploids increases from south to north; ~~with logic that defies~~ ~~our~~ critical studies, however, failed to find such weaknesses so we are in no doubt that it is correct — but Robbins and several others refuse to even look at the data and continue to explain ~~for instance~~ ~~the~~ ~~high~~ ~~frequency~~ ~~of~~ ~~polyploids~~ ~~the~~ ~~active~~ this frequency away with a logic that defies real logic — because a ~~American~~ ~~dogma~~ always must be dogmatically to the last strand. ~~And I could continue about selectionists.~~

Let us not at least, ~~with~~ ~~any~~ ~~as~~ the education of cytological studies and denied taking <sup>has long been</sup> that ~~in~~ ~~Europe~~ has become an accepted approach to an exact definition of the species category <sup>in Europe</sup> that are the conservative English who edited the ~~other~~ ~~European~~ ~~plants~~ ~~journal~~ to make a ~~series~~ ~~as~~ do all other ~~flowers~~ ~~in~~ that continent.

In America, where most so-called taxonomists remain so-called pheneticists, which is a learned name for anti-geneticists and less opposed than Darwinists or Lyellists who share their views of chromosomes as aly — a ~~abstruse~~, though ~~other~~ ~~non-genetic~~ ~~character~~, ~~only~~ ~~two~~ ~~flowers~~ ~~around~~, one old for Quebec and other recent for Brazil, written by Danish botanists, even mention chromosomes. This approach is, however, ~~condemned~~ ~~as~~ ~~long~~ ~~as~~ ~~one~~ ~~does~~ ~~not~~ ~~draw~~ ~~from~~ ~~it~~ ~~any~~ ~~taxonomic~~ ~~conclusions~~, as we have felt forced to do — especially since ~~we~~ ~~soon~~ ~~realized~~ that especially the lack of this approach ~~has~~ ~~explains~~ why ~~any~~ ~~of~~ ~~the~~ ~~flowers~~ ~~have~~ ~~remain~~ ~~considerably~~ ~~less~~ ~~clearly~~ ~~defined~~ than their European relatives.

Alvin Sidelight on selectionists, thus neo-darwinians, or even pharisees of the lazarists,  
contrary to our belief that the gradual selective process is effective mainly within the  
gene-pool, or species, whereas the speciation process itself is catastrophic and caused by changes  
in the chromosomes, either substitution as Haldane & Lewis calls what we previously called gradual speciation  
(which is not as gradual as we believed but less abrupt than the following), or changes in chromosome  
number, which Huxley & I have called abrupt speciation.

The lifespan of an individual is limited by numerous genetic & phenetical factors

The life of <sup>a multicellular</sup> an individual is delicately balanced by numerous genetic & phenetical factors & its span is limited to a length that is counted in days or months ~~or rarely in years~~ or a few years & rarely in decades or centuries. ~~The lifespan of a species, however, is~~ The lifespan of a species, once definitely established by the creation of a reproductive barrier ~~at the~~ ~~is~~ stabilized by natural selection ~~is, however, as~~

It is a part of the natural evolutionary process that when ~~the~~ natural selection has at last completed its task to make a species delicately adapted to its environment by forcing most of its genes into homozygosity, the reduced possibility of further adaptation to the unavoidable changes in the environment results in a lack of senescence that slowly leads to a reduction in population size & at the end, to extinction. That is the price for the possibility of further evolution by other organisms that otherwise would be unable to find space for their activities. During the millions of generations of life, an immense number of species have come & gone, & the paleontological record indicates that during the same 150 million years of angiosperm life ten or more times as many species have become extinct ~~as~~ ~~now~~ are extant. When the human species started to increase, <sup>the frequency of</sup> its activities apparently increased the rate of extinction of other species ~~that~~ ~~in~~ ~~his~~ ~~environment~~, but during the first several millions of years of his existence, the extinction rate still remained only slightly increased, although ~~we~~ ~~know~~ of examples of considerable reduction of gene & flora in areas of delicate balance during human history. More recently, however, agriculture, irrigation & industrialization have become so widespread & powerful destructives, that the ~~net~~ extinction has increased manifold, but just in recent decades has it reached dimensions that have caused concern even for the future well-being of man himself. That has ~~caused~~ resulted in the organization of various activities of conservation of resources with ~~the~~ the needs of man himself as the center of attention, whereas most recently concerned individuals have ~~been~~ diverted their attention to conservation of the genetic unit as a whole, ~~so~~ ~~that~~ so that the negative balance between the living beings & the environment be not changed beyond repair.

The first steps towards conservation of life were taken late in the last century by giving laws protection to certain rare animals & plants that seemed to be heading towards extinction because of human activities alone. ~~to be~~ ~~cases~~ The present interest in so-called endangered species is a remnant for this period, although experience has shown that such a protection ~~is~~ ~~of~~ ~~individual~~ ~~species~~ is of a limited significance. (Wynn).

My first contact with American officials was that of  
discrimination. I had spent eight years studying in Berlin  
when I returned to Leningrad which had been ~~occupied~~  
"protected" by the United States for four years. It astonished  
me to discover that those cooperating with the occupation  
forces and gaining wealth through acting as assistants and  
signers of various kinds, were the same persons and  
groups that had been ~~the~~ ~~the~~ cooperating with the  
Germans before the war. But it astonished me more  
when ~~the~~ a representative of the American Embassy  
told me that they had information which showed me  
to be a communist spy, enough to be on its black  
list of enemies of the United States, ~~which~~ ~~was~~  
~~that~~ I was not told from where such information  
had come ~~that~~ I was shocked about the ~~discrimination~~  
policy that was ~~being~~ ~~made~~ ~~in~~ ~~regard~~ ~~to~~ ~~get~~  
acquainted with people in other countries, rather than ask  
~~the~~ directly about their religion or opinions, but I had  
no interest in ~~this~~ ~~part~~ this neighbor, who had "protected"  
Leningrad and then broken all promises to leave after  
the war was over, I felt that I was in a good  
company with others - the list, which included half of  
the Leningrad population, most of ~~the~~ the people who dared  
to stand up and be counted as free men, and all  
its cultural giants. And I would have been disappointed  
if my name had been left out of this remarkable list,  
although I counted myself as a friend of all progressive  
interests and the way of man.

Some few years later I had ~~opportunity~~  
 decided to become an migrant to Canada, the northern  
 neighbor of the United States, and ~~was~~ had been appointed  
 to a position as an associate professor at the University  
 of Manitoba, a post I should take over in the fall  
 of 1950. Before leaving for a international congress in  
 Sweden, I had been told by the president of the University  
 of Manitoba that ~~before~~ it would be easiest for him  
 if I were to allow him to apply for my migration visa  
 in Ottawa, although my friends at the British Embassy  
 in Reykjavik had assured me that they could easily  
 make all arrangement for me and my family. Therefore,  
 we left for Sweden and stayed there for the summer, I  
 returned shortly before we planned departure for Canada.  
 But we were up for a surprise: two days before our  
 belongings should be shipped to America, I received a  
 telegram from Winnipeg informing me that we were not  
 being issued the promised visa. We soon found out that  
 this was caused by the well-known Canadian subservience  
 and based on information from the American Embassy  
 in Reykjavik as to my political opinions — ~~with~~  
~~other~~ so my second expense of American officials  
 was now to be that of a miscarriage of justice.  
~~It was not their~~ It took us several months and a year  
 without delay to get this Canadian foolishness corrected,  
 by aid of Icelandic, Swedish and Canadian friends, but the  
 Americans themselves were greatly pleased that they  
 succeeded in hunting these dangerous politicians who had  
 been so demoralized by aid of subservient — & perhaps  
 even paid? — Icelandic informers.

Since I ~~did~~ did not suggest Joel going & therefore did not corroborate the Embassy application of my telephone contacts, there is always a possibility that I have been taken (had) (forced) (deceived, tricked, duped, hoodwinked) hoodwinked (by dirty tricks), perhaps stimulated by the letter (exhibit 5) which Smith at least first reacted against, & that they may have seen other letters or that coin which I do not know of. So even the suspicion has come to my mind that all the times I believed I was talking to people at the Embassy, I ~~was~~ may actually have been talking to people in Ljiljan, who knows? That would be a fitting continuation of the series of dirty tricks under the disguise of research support.

The main reason for that I have kept this for myself for more than five years is the fact that I cannot corroborate my story except very partially, in addition to the fears that if it leaked out to improper agencies it might not only add to my difficulties but also hurt others, innocent or not, & I have never ~~been~~ been revengeful. However, since I trust that even the coverage, as I like to call it, now is too old to hurt even those I still believe were involved, & since I must believe that the ~~best~~ real authorities at the Smithsonian & Boulder are ~~not~~ interested.

There were various threats other than those mentioned in these two letters, one being that the CIA had been "informed" & would look after that I did not squeak, wherever I would ~~try~~ try to hide. . . . and that its "long arm" would reach me anywhere should I squeak.

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I did not dare to give them more than a minimal, & insignificant, information.

And they were too considerate to force me to open up - I have even avoided telling Davis in order to avoid unnecessary harassment.

What happened after that in Yugoslavia was so well organized and so crushed that even I can hardly believe it now - though I realize that an experience like that is not a nightmare.

Neither rewards nor incentives - nevertheless significant results - these had to be prevented. Rewards, not my language - plot or . . . - perhaps the usual.

Stjepan Ludwig, Velutina, Driker, Hlasko.



They promise me well I wish some they had broken them.

Too long it may be look compared as do all journals, but that my  
Secrets that was edited hundreds of times — but here it is —

Sketch:

Need for a passive waiting (Goldschmidt) - why too much when near the five years!  
ACLU with proposed assistance by a Sovietist, e.g. under the auspices of the  
FAS, for instance against ~~the~~ ~~cases~~, Charles Haines or Frank Boylston, properly with ~~and~~  
account on the dignity letters of without mention of the covering processes so that  
~~no~~ ~~need~~ will arise to hunt ~~the~~ ~~any~~ persons or to reveal matters that could be  
detrimental to Yugoslav-American connections or hunt one or others more than already done.  
But the violation of decent fair process by Dabbs also must ~~not~~ be allowed to  
be done with impunity, in whatever way that can be done (avoided).  
That would also ~~prevent~~ ~~copying~~ make it possible to request and authorize  
that the file at the Smithsonian, Dabbs & in my collection be destroyed  
when an agreement to ~~reach~~ an honorable solution has been reached.

Would have told this all to Lewis, James & others whom I asked for help. (?)  
They only had given me the opportunity, you are justified to inform them  
~~the~~ in the hope that they will ~~take~~ ~~care~~ also be careful but one  
you will use experimental judgment, perhaps only sending of this all is sufficient,  
not copying or further broadcasting, which could harm wrong?

Emphasis: discretion, tactfulness, tact, delicacy of feeling, (prudence), consideration  
(he is a man of unusual character)

Fourth ~~point~~ ~~is~~ ~~the~~ ~~research~~ ~~no~~ ~~financial~~ ~~backing~~ ~~required~~ ~~essential~~ ~~to~~ ~~fulfill~~ ~~the~~ ~~research~~ ~~provided~~  
in the apparatus to receive ~~for~~ ~~the~~ ~~support~~ ~~also~~ ~~expended~~ ~~for~~ ~~later~~ -

Rigley - no letters or copies since there may be - "Dery Throat" at the S.I. who could leak this to the press - the students who apparently are after his scalp because he seems to be the most effective & most important secretary the S.I. has ever had.

O.C. - personal contacts & guest status only - but otherwise through the dissemination detail of the H.E.W. which ought to investigate carefully & effectively the basic causes of discrimination & other injustices unless that situation has been observed but allowed to be assumed by ~~some~~ inside studies that never were anything but cover-ups - all of the use by the administration of ~~small~~ ~~amounts~~ ~~of~~ ~~research~~ that frequently has been used ~~for~~ ~~justification~~ ~~or~~ ~~domestic~~ ~~purposes~~ & very rarely to facilitate the ~~research~~ ~~for~~ ~~which~~ ~~it~~ ~~is~~ ~~charged~~. Perhaps - ~~minimal~~ ~~practical~~ ~~disclosure~~ - but no ~~conceal~~ ~~is~~ ~~better~~ ~~for~~ ~~that~~ ~~others~~ ~~have~~ ~~often~~ ~~before~~ ~~him~~, ~~say~~,  
- I believe (probably translated) proceeds:

Was probably never meant to do us direct harm - but not at all of kind the Comm  
one in - he had treated Dery very ~~disparagingly~~ ~~and~~ ~~also~~ ~~disparagingly~~.

I do not want to hurt anybody, but since I am convinced that he has been shamefully treated, to put it mildly, I believe we are allowed to expect - proper correction & -  
proper compensation for our suffering & for evident loss of respectability caused by the libel, (concealment),  
for whatever reason it was executed. That should be the responsibility of the institutions,  
which apparently hired & gave power to certain persons of a character not commensurate  
with what can be expected of those in higher positions anywhere - but it is not in  
my interest to judge these persons or ~~push~~ ~~them~~ ~~up~~ ~~to~~ ~~address~~ ~~their~~ ~~institutions~~ ~~of~~ ~~what~~ ~~has~~ ~~been~~ ~~done~~.

If my work etc. is to be judged, this should be done by real peers, not Americans, but  
Europeans, like Stoylen, Volante, Dicks, or others with similar education & social philosophy  
in botany & genetics and of close to my age, Pigeon,

Phacells may be grounds - who knows?

David & di - kept outside

As Linnaeus said in the ~~text~~ ~~forward~~ ~~to~~ ~~his~~ ~~Species~~ ~~plantarum~~, it would be wise to wait for the  
gesture of our grandchildren for a judgment of my works, but if it is needed now, then only  
European colleagues of similar standing in genetics and botany ought to be contacted, e.g. Stoylen, Volante, Pigeon...



(although I believe that you wish to know more indicators that you are concerned, much more so than our so-called colleagues who have turned us the backs as other chickens).

I have, ~~in fact~~, ~~with~~ <sup>with</sup> ~~secondary~~ letters that have grown to considerable length but have at last concluded that since I only know about your concern it not if you are able to help us find the help we need, a shorter letter is in order at this stage — but be sure that we are very much pleased with your attitude which shows me that there are still in America people with the same conscience & disposition that we were to ~~get help~~ brought up with by ago, although we have not seen it previously on this continent. Perhaps it died soon after this century commenced, but it evidently characterizes Don Juan who is a little younger than you are, but born of British immigrants.

They may, perhaps, have tried to look into the matter without asking for my side of the story & thus, may have been told what you heard, which seems to be a common American phenomenon & thus believe as you tell what an unjust or they have been misled by the claim that it is related to national security or similar delicate activities of the politicians that have even the most courageous in this country, I do not know, but you are the first to ask about my side of the story, that shows at least me that I never misjudged your ~~good~~ <sup>genuine</sup> & sincere.

Incompetence, immorality, unethical characterize the faculty & administration of the U. of C., with a few exceptions, so it was perhaps to be expected that they resented us, immigrants of a very different standard. <sup>actual to our wisdom to their size at whatever cost.</sup> But the ~~same~~ <sup>same</sup> characterized those who decided our research support & facilities at the NSF, ~~with~~ <sup>with</sup> the NIH & the Smithsonian as far as our experience reached, & in worse force than

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the so-called peer system of anonymous judges that these institutions & the International Institute for Botanical Documentation & the results are according to it: very few so-called plant taxonomists know my plants, very few have an understanding for evolution & phytozoology & cytogenetics, hardly any have an international scope, & the recently published & much plagiarized so-called list of advanced species & the so-called checklist of the North American flora are scandalously free of modern learning in these fields, though they are being used as a basis of demand of technical progress —

We experienced the same at numerous other Universities, even at Pennsylvania, where you were the only truly important botanist ~~to~~ <sup>to</sup> who followed here & academic ethics when selecting you successor — ~~since~~ <sup>since</sup> the decline has become complete with the complete incompetence & moral decadence already after these changes —

We have also experienced that most of our so-called colleagues in this country are small souls that turn chickens whenever courage is needed — again, you are an isolated exception — & that many are nothing but immoral scoundrels without the conscience they seem to require of us & other immigrants. And the so-called status of this land due to criticize others for immorality & administrative attitudes!

When I needed them most, they turned their backs — me: Cronquist, Davis, Turner, and others... said that I should know that I had my hands — you are apparently the only one

Mocking of the peer review.

In cytogenetics & the knowledge of the European flora I have no peer — this content, but Helen Davis came as close to being it as possible, but ~~not~~ <sup>not</sup> ~~at~~ <sup>at</sup> the Smithsonian — but his opinion was suppressed so that I could be ~~condemned~~ <sup>condemned</sup> when the Smithsonian scoundrels ~~made~~ <sup>made</sup> me and made a mockery of the so-called peer review & used it ~~to~~ <sup>to</sup> label me home & abroad.

I have been thinking, not to reveal ~~it~~ without wish for stars, as to you, I have come to the  
conclusion that it might suffice, to show just one step in the long line of miscarriage of justice that  
led to my ~~present~~ <sup>present</sup> engaging ~~what~~ <sup>what</sup> was - disallowed by my grant & resigning without contest  
so that I ~~could~~ <sup>could</sup> avoid ~~having~~ <sup>having</sup> those involved before the five years I found it to stay quiet  
had already; now they have. Therefore, I - enclosing a copy of a letter ... of it, translation ...  
of that ~~document~~ <sup>document</sup> is not a serious case of ~~malicious~~ <sup>malicious</sup> libel in American terms as it actually  
could be in my country, I dare to insist that this is a kind of law as so often claimed, because  
the "judgment" - which this is based was ~~not~~ <sup>not</sup> by any peers (Helen Lewis, was the only one peer  
contacted & his very positive judgment was ignored & not even mentioned), & a ~~little~~ <sup>little</sup>  
Swedish scientist, who certainly is not my peer, Dr. Paul Hurd, told Dr. Billie Turner that  
this action had been <sup>in</sup> ~~mainly~~ <sup>mainly</sup> arranged by him). So I wonder if - skilled & honest  
lawyers might not be able to use this letter alone to get everything corrected without  
forcing me to reveal the contractions since that ~~could~~ <sup>could</sup> not only be paid to some  
Victims & but several Americans involved, but also but the Swedes, the University,  
(always for which I have little feelings, & especially, the efforts of the President & several  
negotiation to help scientists who are mistreated in ~~Sweden~~ <sup>Sweden</sup> elsewhere, because of this  
Agneta Christie-like treatment seem know, all foreigners could look upon these  
US actions as hypocritical.

Of course, these people had to try to destroy my ethical reputation since they know that  
I am known in the world for not even drinking coffee, certainly no alcoholic beverages,  
not using any tobacco or marijuana or other drugs or poisons, not being homosexual  
as many of them are, never mixing with prostitutes (one colleague in Sweden was approached  
by me last year) ~~or having~~ <sup>or having</sup> other ~~sexual~~ <sup>sexual</sup> activities (e.g., ~~the~~ <sup>the</sup> ~~Swedish~~ <sup>Swedish</sup>  
S.B. is famous for, etc., etc.). But I find it weak when they can't do better than  
accuse me of stealing to buy a car for my daughter - why not accuse me of -  
fabrication of scientific results, political ~~propaganda~~ <sup>propaganda</sup> committee ~~propaganda~~ <sup>propaganda</sup> or spying (though they  
may have known that I refused even to do that when approached. . .)  
or of never going to church, which is correct, or of not being a hypocrite as even the president is?

Duty, honor, integrity. No other.

Skandinal - - - indeed the only alternative.

I intended that one senator, on your display, only;  
this could be their possibility to beat the Swedes by  
removing this publicly but also secretary is being known  
responsible for the cheap trick by his indiscretions of which  
he actually knows nothing - I'm not interested in history here.

If you agree that there are indications that we have been treated by a long series of  
miscarriage of justice, perhaps you ~~can~~ <sup>can</sup> will find it appropriate to help us encourage  
the FAS to look into the matter cautiously by aid of a respectable scientist who ~~is~~ <sup>is</sup> likely  
to do this with the calm neutrality of an impartial judge; I could propose several colleagues  
whom I ~~trust~~ <sup>trust</sup> know & trust, but would feel it ~~is~~ <sup>is</sup> might be least costly & most  
appropriate to select for this the FAS agrees . . . when I do not know but fully trust.  
But you may have a wiser solution.

(The testimony was justified), evidence was forged (manipulated), they disallowed me entering since they were never returned (please registered).  
Target of crude abuse: D. - (Immoral scandal)

I have had to do with immoral scandals at various places, but I have no desire to lower myself to their level  
by fighting them with their rotten methods. Though that seems to be the custom in this kind of little campaign  
in my country this would be regarded as a very serious & malicious libel, but here it may be possible, as there likely isn't the general public <sup>at all</sup> I trust.

(Linnæus)

study been

3

Rosy Clark, Danish

and - malicious

so unreluctantly credited that one of Agatha Christie's well known plot all since it is also

this coverage of a matter that could seriously hurt American relations abroad  
 of published, I prefer not to mention it in details except if necessary  
 to substantiate the claim that this entire matter is a example of  
 a wicked more serious than <sup>the</sup> experienced even by the Soviet division  
 began when ~~President Carter~~ considerable parts of the scientific community  
~~has~~ been widely protested. Does the Bible, so often mentioned by  
 President Carter, not say something about <sup>the</sup> ~~the~~ note that is in ~~the~~ brother's eye  
 & the beam that is in your own eye? I believe this is such a case,  
 but nobody here has ever suggested it, until you, although I must  
 say that Bill Weber did so <sup>from the beginning</sup> though he never asked  
 & I never offered him an opportunity to see the evidence. I have  
 now, when <sup>of</sup> the five years have gone that I promised my colleague  
 in Ljubljana to keep quiet, asked Bill to see & look through  
 the material, but he has not yet reacted, perhaps he is confused  
 & wants to avoid to do anything wrong? And perhaps your reaction  
 will be such that it could help him, or you may feel there  
 are stronger men & better approaches that ought to be taken  
 so that we will not be hurt more by the certainly un-American  
 crowd behind this, & certainly my similar actions against ~~me~~  
 an arbitrary might? I do not hesitate to leave that to your judgment  
 & by experience, but would not be astonished if you agree that  
 in fight with such opponents the encouragement of justice & witchhunts <sup>in the field of the ACLU</sup>  
 require the learning & skill & judgment of a Rosy Clark or even Saworski, with  
 whom I have no contacts.

Conspiracy added?

She does not ask me to tell you anything, she does not know you & has learned nothing more  
 to trust my American - but I still trust a few, you are one of them, so I will not follow her advice but partially.

Although I doubt that I have been treated as a honored  
 (and paying) guest, I find it impossible if I stand up to teach my word with  
 proper behavior - hope others do, though only you here for five years.

And you could maybe be suitable  
 to the big David - it would be nice

I do not think it is appropriate of me to teach the American ethics, though. I do not  
 believe I ought to take steps to get strong colleagues or strong lawyers to fight for me especially.  
 But if for instance you feel that this could be your role, my gratitude can be agreed on words.  
 Perhaps the most appropriate first step might be to prevent the Secretary of the Lutheran  
 with the evidence, personally & not in writing for his sake, because I am in no doubt that  
 he has not been informed about the atrocities performed by his subordinates although his  
 critics in the South & at one time my opinion would gladly use this for his demise (?) -  
 I have ~~gotten~~ <sup>gotten</sup> the ~~is~~ although I have never met him, I have gotten the impression that he is not only a  
 bad sort of moral obligation but also the best organizer ever to be in his position, & hope he does  
 it - fair & honest money, who would judge ~~him~~ the mistakes of his own institution  
 without partiality towards those mistreated, as was the case when your leaders of the past were opposed  
 what we called "self-judgment". But you might feel such an approach naive & second nothing else.

I do not believe I should ever mention to anyone that in this country the bias  
 against the Danes is more serious than in any other country. I do not believe I should  
 ever mention to anyone that in this country the bias against the Danes is more serious  
 than in any other country. I do not believe I should ever mention to anyone that in this  
 country the bias against the Danes is more serious than in any other country.





We came to America because we believed it was the haven of freedom <sup>of the</sup> <sup>of progress</sup> <sup>of thought</sup> and  
haven of progressive & logical science. We soon understood that our dream <sup>had been</sup>  
~~was not~~; but it took two decades before it turned ~~it~~ into modern ~~idea~~ <sup>idea</sup> we  
experienced that we had come to a land where freedom is that of money, not of thought,  
& where even courage has turned into cowardice.

I have been writing the story of a family, a kind of a French saga, ~~and~~ which  
is considerably more tragic, ~~and~~ not only in the part which relates to my disloyalty;  
in it no names are changed & no names beautiful - I have by heart a story.

I am grateful for your friendship as shown by the fact that you are the only  
one of my American acquaintances who has refused to believe whatever stories  
that may have been dispersed as a covering by those who, in my eyes, have  
put ~~the~~ the reputation of Americans as honest & law-abiding people to shame.

I enclose ~~some~~ <sup>some</sup> copies of some papers which I hope strengthen you in  
your conviction & would appreciate your advice & help, if possible, although  
I realize that you have never experienced anything similar except in  
stories that you did not believe were true, as I also I can claim.

But I do not expect anything from you, ~~and~~ except that you be cautious  
with this material since we may be dealing with seasoned desperados

if I am allowed to deduct <sup>any</sup> from their <sup>anonymous</sup> <sup>of the past</sup> <sup>of the</sup>  
selected since ~~then~~, the last one being as recent as August. - -

And I trust your wisdom & justice.

We should have realized that the ~~history of the slave times~~  
Americans remain as honest to the rights as they were to the slaves -  
both are still regarded as lower beings, especially by those who are smaller ~~men~~,  
& they have right only to be abused & stalked & libelled, & deceived.

Now trust - English - America - there are exceptions, you.

We realize, & so do others, that our learning & knowledge & abilities  
we surpass - but we have been shown only the ~~law~~ of lynching &  
the old ~~western~~ "law": give him a jaw trial & hang him - although  
we got no trial but that of stocks & a bribe in the back.

We should have realized that we were coming to the land of the ~~unthinkable~~ -  
we experienced that ~~as~~ as deadly as did the ~~regimes~~ poor negroes.

The Smithsonian & Colorado U.K.K. intend to teach me how to be a good (nigger) botanist,  
without ideas, without knowledge, without logic, without productivity -  
Like in Coats - I will write my biography & tell the truth.

~~The first time~~ Delicious label first for the Embassy in 1950.

The fundamental difference between subspecific & specific is that the former is reversible, because it retains miscibility even when associated with by time geographical isolation, whereas the latter is strictly irreversible because of its distinct internal reproductive barriers.

~~Pl. ...~~

~~Factors, external, connecting spaces, vicinities, reticulate, disjoint, progressive, eye & nose, Dr. ...~~  
Acute ...

What they sought to do

they brought to pass — whatever obstacles others threw in their way.

It is not a well but - full understanding of taxonomy to believe that the purpose is to distinguish between human species -

The author of this thesis states in the first lines of her report that -

The ole continues by describing studies of - <sup>since the reported evidence is not a well understood (classical tax.)</sup>  
This is all good, but it is not a description of most of it is irrelevant to the problem at hand, ~~because~~ because... but mainly since -

Scopoli was not redescribing the human species which he knew from his area (?), but instead a new species, which we now know was represented in his area by the southern outpost of a tax that has a west European distribution reaching from Spain, the Alps to England, much similar to that of Serbin, Callitriche, Thymus -

Perhaps: since the facts do not confirm to the theory they must not be mentioned?

Éj or Jadder: Daghjick, a olive tree in a Vestfjord in the Dalgren  
in Isjordi, for one of yellow in some - unglaze - of gypsiferous shale. En of  
circumstances stated first time by me by first of the first, in a of  
me in of the first year here: Dalgren - first in 1925-26.  
Dalgren's description was in little part of it, for one <sup>small</sup> of  
in situ before ~~the~~ hand: it is of the: like other same part for with a part -  
the first part in hand: it is of the: like other same part for with a part -  
I have here first for one of the: it is of the: like other same part for with a part -  
first most of the: it is of the: like other same part for with a part -  
first part of the: it is of the: like other same part for with a part -  
but me describe in detail of the: it is of the: like other same part for with a part -  
of the: it is of the: like other same part for with a part -  
extraordinary with history in the: it is of the: like other same part for with a part -

The v.d. ut to have their country and we getting help for this for abroad - and I support the letter  
but I am free for the need of research and do not want to thrust certain aspects - a language course -  
no where - right, no where - language, such was not allowed to me with me for advice - language and it -  
only - for research in the technique of 1927, still for which it is significant.

The author claims inability to distinguish the digital and tetragonal in the labium -  
as if being was strictly the same of the dead - of. Hatcher S. N. p. VI (buck)

However - the degeneration of documentary material about plants, and they have been  
and always will be important for studies of distribution and certain variation. But  
for the purpose of judgment of - they can't replace the living plant  
and its naturalistic study - to let ~~the~~ the ~~research~~ be the final judgment  
of the status of a plant is to stretch their dead hand much too far  
if the purpose of taxonomy is to identify present human species, this ~~cannot~~ may be well ~~under~~ <sup>under</sup> ~~the~~ <sup>the</sup> ~~best~~ <sup>best</sup> ~~of~~ <sup>of</sup> ~~it~~ <sup>it</sup> is  
to recognize natural categories and important and related groups, then such a research is a ~~dead~~ <sup>dead</sup> ~~and~~ <sup>and</sup> ~~directly~~ <sup>directly</sup> ~~relevant~~ <sup>relevant</sup>?

~~My grandfather was~~

The year before my maternal grandfather married, he paid a respected genealogist to compose his family tree. The little book shows that he belonged to the 98th generation from Adam. My mother, then, was number 99, ~~at number 100~~ number 100 - but I have always preferred to interpret this so that I ~~belong~~ belong to the 101st generation from the creator. Perhaps that tells something about me, and certainly it tells much about the people to whom I belong, because in local genealogists <sup>are</sup> ~~are~~ trusted and . . .

According to my maternal grandfather's handwritten genealogy, he belonged to the 98th generation ~~from~~ from creation, that would mean that I belong to the 101st generation from the creator.

...

In my country, where everybody may be related in the 8th to 10th generation, interest in genealogy has always been great, and we all have a certain respect for those who know the secrets of good research of ~~whom~~ <sup>whom</sup> our real ancestors were. And we do not doubt their wisdom. ~~Therefore, I have always been proud~~ We do not believe that we are the nation God selected, but when ~~that~~ I as a small boy discovered that my maternal grandfather had a booklet, handwritten by a respected specialist, that showed black on white that he ~~was the 98th~~ belonged to the 98th generation from Adam, I realized that I ought to be proud of my ancestry, though later I was taught that it was shared by us all. Or is it wrong that I myself ~~then~~ must belong to the 101st generation from the Creator himself?



In my country there are two kinds of people. I am not thinking of the sexes, nor do I mean that some people are good, other bad, some tall and other small, or that ~~you are not~~ more than every tenth person you meet may have red hair or even a red nose, because of the climate or perhaps for other reasons. No, the two kinds of people in my country are either visible, as you and me, or invisible, hidden to the eyes of ~~most~~ most mortal souls, but otherwise of the same build. Even their houses are hidden, or perhaps I should rather say that they look like cliffs or big boulders to everyone but the few souls who have the right kind of eyes.

Do ~~the~~ fairness and justice really exist here? Look at our experience - with ~~the~~ injuries, letters of denunciation through a barrier, withholding of funds to force us to get loans from hired hands of extortionists, one-sided auditing, decisions by ~~the~~ bigots who have either shown their minds, etc., etc. And then all the cowardly.

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Edward Newman is the other reporter for NDC see table in letter.

(Side margin)

I am in no doubt that my (generally) motivated opinions & logic in Taxonomy & phytogeography are contrary to those of my American scientists because of our different education, & they may even be (asinine) detesting to all of them. But that does not excuse the use of unscientific & indeed scientific methods to prevent us from working & living.

Orde by dekad & dopp: the same American...







The London treatment we have experienced, strongly suggested by the dishonesty and  
of our so-called friends, with a single or two exceptions, is so unheard of  
outside Hitlerland that if it became known, ~~any~~ honest scientists abroad  
would wonder about ~~these American~~ <sup>the</sup> honesty and moral of these  
American colleagues - if they ever thought they had any - and laugh at what  
Gatre is criticizing ~~at the Roman~~ <sup>the Roman</sup> the Roman treatment of the ~~troubled~~  
what he calls human rights. Why not look ~~first at the~~ <sup>first</sup> consider first  
the beam in the American eye before pointing out the mote in those  
of other nations?

### Edmund:

I must admit that we were shocked by experiencing that when the  
crooks mistreated us and violated our human and civil and all other rights, our  
so-called colleagues stood by and shocked and turned chicken - with perhaps only -  
single exception. I had done much for such and he had utilized my friendships  
still more, not always honestly as you have seen in connection with your hiring.  
~~But I had not expected that he would show his real character~~

It is easiest to judge a person's character by the way he treats those who have  
ceased to be useful to him - and you were the only one who stood the test.

But although he tried to fool me by making understating and suggest, I was sorry  
to have to see <sup>his</sup> ~~his~~ <sup>own</sup> ~~own~~ <sup>actions</sup> ~~actions~~ <sup>and</sup> ~~and~~ <sup>the</sup> ~~the~~ <sup>results</sup> ~~results~~ <sup>of</sup> ~~of~~ <sup>the</sup> ~~the~~ <sup>results</sup> ~~results~~  
by helping me might wipe away all that he had created by mutual friendship,  
bribes and downright dishonesty and take away his false honors and good facilities  
to travel the world as an advisor in "geocology". Next of all, it hurt me to  
see that even I had been fooled to suggest a person who now came out into  
the light as an unscrupulous crook. This is a harsh judgment but it can be  
easily suggested by my experience that of Anderson when he prevented him to get  
a copy, the methods with which he got funds for building, at the mountain station,  
etc., etc.; and his dishonest "help" to the Biology Department in requesting that recommendation for  
Nichols and your proposition be sent to him, so that he could take away ~~just~~  
a very negative one for the highly qualified person and another from the little qualified <sup>ling</sup> Brown,  
for Nichols and you respectively. But you probably know this all very much more,  
~~and~~ <sup>despite</sup> ~~despite~~ <sup>your</sup> ~~your~~ <sup>loyalty</sup> ~~loyalty~~ <sup>which</sup> ~~which <sup>I</sup> ~~I <sup>admire</sup> ~~admire~~. Not more about negative  
things, since even we are being hit by the lack of positive help that could  
avoid dipping my what crooks have done to us and instead help us in light  
of all that we have accomplished in science and help to others in the past -  
but the only <sup>one</sup> ~~one~~ <sup>in</sup> ~~in~~ <sup>Durham</sup> ~~Durham~~ <sup>that</sup> ~~that~~ <sup>we</sup> ~~we <sup>trust</sup> ~~trust~~ <sup>is</sup> ~~is~~ <sup>you</sup> ~~you~~ <sup>and</sup> ~~and~~ <sup>perhaps</sup> ~~perhaps~~ <sup>Bill</sup> ~~Bill~~ <sup>Peggar,</sup> ~~Peggar, <sup>who</sup> ~~who~~ <sup>may</sup> ~~may~~ <sup>not</sup> ~~not~~  
have made <sup>them</sup> ~~them~~ <sup>because</sup> ~~because~~ <sup>others</sup> ~~others~~ <sup>told</sup> ~~told~~ <sup>him</sup> ~~him~~ <sup>not</sup> ~~not~~ <sup>to</sup> ~~to~~?~~~~~~~~

We are not interested in negative action that may hurt others because I have always lived according to  
the Christ principle, although I am a pagan, and not according to the Jewish or American one. So, if for instance  
you feel that you will give help for Bill Payer, who in my experience is a ~~liar~~, and then perhaps you honest  
colleagues and friends elsewhere (for instance Charles Hower, Hugh Hittin -), look into the <sup>recommending</sup> ~~recommending~~ <sup>justice</sup> ~~justice~~ <sup>only</sup> ~~only~~ <sup>if</sup> ~~if~~  
you feel that would give you confidence but otherwise act positively to help us, I am one that you will  
only and eternally experience the truth of the Hebrew saying that Bad goes for the raven. <sup>One</sup> ~~One~~ <sup>under</sup> ~~under~~ <sup>the</sup> ~~the~~ <sup>stars</sup> ~~stars~~ <sup>and</sup> ~~and~~ <sup>in</sup> ~~in~~ <sup>the</sup> ~~the~~ <sup>earth</sup> ~~earth~~  
and contributors to good international science ought to weigh more than venture and unjust accusations by  
crooks who selected me as a target for the Durham biologists and for the evolution ideas we represent.

(The worst reason for that I believe is my opposition to the dogmatic holding in the area and toward right that they)

Since our teaching ~~has~~ <sup>has</sup> as a report year has been to explain a situation in a way that others accepted a generation or two later.

Our whole of opinions have always been controversial in America, particularly when we came to Canada in 1951, we <sup>we</sup> dared to believe in the theory of continental drift & so were laughing stocks of those who <sup>thought they</sup> knew better. We ~~was~~ believed in, no, were convinced of the ~~the~~ correctness of the ~~the~~ old Scandinavian idea of survival of birds during the Pleistocene & so-called glacial refugia, <sup>— opinion that is held by the vast majority of people</sup> we always have followed general rather than narrower thinking as to the depiction of the taxonomic categories species, subspecies & genus, & our research — polyphily convinced us already in 1940 of its great significance for distribution & classification of plants & for evolution in general, opinions still doubted by great minds who we dare to doubt have excluded our immense contributions in the field without prejudice.

All these matters were, & still are, so controversial in America that those ~~we~~ <sup>we</sup> have opposite ideas, people born & educated — this continent, feel they are dangerous for their reputation & so feel they ought to be suppressed, by refusing grants & directly preventing a building up of facilities for their study, whereas the older ideas, which most Europeans have by since given up, are strongly supported. And students, even at Berkeley, have been taught that our ideas are not only controversial but directly ridiculous & not worthy of history to — with the result that a new generation ~~is~~ <sup>is</sup> being brought up in the views of the old that Europeans find unacceptable. It is the old story of that what is a wholly truth in Heidelberg is a bad joke in Geneva.

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When I studied in Sweden, I got the impression that American premisses in the science of ~~biology~~ was based on the instability of the fact that great discoveries in all fields ~~are~~ <sup>are</sup> usually the result of imaginative & innovative approaches to old problems, & that in this country, as in Sweden, we laymen to take ~~at the height~~ imaginative leaps & to suggest ~~controversial~~ <sup>controversial</sup> (read opposite to my opinion) ideas ~~at the height~~ was conspicuous. Unfortunately, my experience of the coming has been opposite, & I have repeatedly been disappointed to observe ~~that~~ the mediocrity represented by the so-called directors of some divisions of ~~the NSF~~ <sup>the NSF</sup> judging institutions, the NSF not excluded, & their abilities to stifle so-called par excellence with less than mediocre so-called scientists or with actual non-gears of either non-controversial leaning, or directly hostile to ideas & approaches different from what they themselves learned in school. I am sure this is the main reason for our difficulties in America & it certainly is the ~~fundamental~~ <sup>fundamental</sup> cause of the fact that in our branches of biology America lags progressively far behind Europe & the Soviet Union, where <sup>our ideas are</sup> ~~our ideas are~~ <sup>not regarded as</sup> ~~not regarded as~~ <sup>fantastic</sup> ~~fantastic~~ <sup>controversial</sup> ~~controversial~~. <sup>Our ideas are not regarded as fantastic, as controversial. An eminent scientist whom I have never met but whose consensus are just what I have learnt to believe so I trust him to do more than just talk, is David Keel, a ~~well-known~~ <sup>well-known</sup> ~~at Berkeley~~ <sup>at Berkeley</sup>.</sup>

(Conrad!) Review and cancel the decision, prepare retroactive remedies, compensation, <sup>interim</sup> ~~interim~~ relief - the other individuals being - depending possible...  
Perhaps seems to believe that the reasons on which the decision was made will not stand (at least in court),  
and that the procedure selected of other actors violated human rights, of due process and other principles.  
Although not individual, one of the most respectable biological scientists with wide reputation since his election to the American Academy of Arts and Sciences; callous conduct subsequent to vote against it the back of their own pay.

The individual people divide the administration and have due to be - by the,  
but the decision is - ~~un-appealing~~ <sup>unappealing</sup> ~~unappealing~~,  
even to the law professor.

(Arvid - U.S. -)

Conrad 1979 is the first  
publication biological museum  
and what to ignore all changes  
concerning the institution.

I would like to know, suggested by my so-called "files", what I can really  
account of, first by the Southern ~~by~~ ~~panels~~ ~~panel~~ prior to their (B) attempt of the  
annual committee in 1972, and then by the graduate school of the U of C in 1969 and  
later in prior to the decision by the then chancellor at his legal council in 1972, as suggested by my U files; (1) the ~~not~~ ~~disregard~~,  
at the truth of his oral ~~injection~~ ~~of~~ demands by the Southern ~~and~~  
Latinia Department of my ~~notes~~ ~~of~~ my wife's ~~action~~ ~~of~~ prevention to complete and  
contracted work, suggested by the threat of deportation. Also, the method and time of  
getting what I regard as ~~a~~ ~~prejudicial~~ ~~statement~~ ~~for~~ my 1972 committee work  
to be revised, since the date on the copy one I saw <sup>first</sup> five years ago is contrary  
to the date of the chancellor's <sup>1973</sup> ~~of~~ his effort to get a copy of their affidavits for  
the Southern ~~and~~ Latinia Department. Also, it is of interest to know if my files  
include a letter from the Southern the spring of 1972 informing what my Y. colleague  
claimed then to have been injured of the continuation of our quest, including my  
daughter as an assistant but excluding the ~~(at that time)~~ student stock program,  
because such an injection would substantially diminish the guilt of  
the Southern ~~at~~ at the cost of the University ~~the~~ ~~subject~~.

Right to being silent,  
2 to counsel (the report)  
Intimidation, terrorism.

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I met these injection because I maintained that the active case is essentially  
a witch-hunt by an incompetent ~~and~~ ~~evil~~ ~~and~~ ~~dishonest~~ ~~University~~ ~~independent~~ ~~or~~ ~~suggested~~ ~~by~~ ~~former~~  
for ~~the~~ ~~former~~ ~~incompetent~~ ~~and~~ ~~dishonest~~ ~~member~~ ~~of~~ ~~the~~ ~~independent~~ ~~department~~  
caused by their hate towards ordinary biology a ~~recognition~~ ~~of~~ which I was made because  
of my ~~preference~~ ~~to~~ my ~~family~~ ~~of~~ my ~~preference~~ ~~as~~ ~~evolutionary~~ ~~biologist~~.

Rouse Co. accepted and supported Crowe because they had seen that he obtained  
information and material with an insatiable craving for money and honors and tax,  
which was easily available in the grad school office, according to my summaries and  
an exaggerated remark by the then newly appointed dean at a dinner party given by me and his father.

Crowe - Holliday - U.S. Jan 1972 5 of U.S. type journal (Ser 1 1972). (See Evolution II, 1972, Old Review - E. Jan 1972 26 and 27).

Crowe, not I, committed acts of misconduct: look about the evidence was shown, signed legal counsel, threatened with nuclear department etc.

A scientist who dared to enter the inner sanctum of American taxonomy, which always has been dominated by creationists & morasses, disguised as something else. To quiet me the classical American methods against insects were employed, in the conviction that none of my so-called colleagues or friends would have guts or ethical to stand up for us — as also was found to be true. Although I realize the futility of fighting the American ~~scientific~~ establishment ~~at this point~~ alone, I still believe that there must be one or two decent scientists who have the guts required to organize a small & persistent group of honest colleagues to help, without having to go abroad with publication of the far from nice story. Am I right in hoping that you are one of these few?

Project proposed in 1968 because of an entire capsule walk in Southern,  
Northwest and Central Europe, Spain, Italy, Iceland, the ~~Arctic~~ Arctic, the  
Canadian provinces, Mt. Washington, the Canadian Rockies, and the Colorado Rockies.

Judged by hostile non-peers; accusations, refused counsel etc., threats.

Never what could be called a hearing, still less a fair hearing, hardly even a bygone court -

~~Accused~~ <sup>although I had paid</sup> me, by aid of dirty tricks, entrapment, and you name it, of having defrauded the government  
followed their instructions given under threats that apparently were given to covering the fact  
that they defrauded me and also the government, when they tried to prevent me from completing  
my work contracted for.

An established crook who had discriminated against us for years became my self-appointed lawyer judge -

Did not inform me of what he wanted to do, refused a counsel as meddling since  
he ~~had~~ said he had already discussed the matter with his own legal counsel (based at Colorado)  
or President Johnson (who soon was to be dismissed as incompetent because of a serious drinking problem),  
and when I came with a friend the only friend who dared, he was denied entrance.

Threatened with the Department of Justice and an immediate deportation.

Taped the ~~conversations~~ <sup>conversations</sup> ~~with~~ <sup>with</sup> ~~me~~ <sup>me</sup>, without ever telling me.

Told me that he had succeeded in getting copies of ~~my~~ <sup>my</sup> ~~papers~~ <sup>papers</sup> ~~from~~ <sup>from</sup> ~~the~~ <sup>the</sup> ~~government~~ <sup>government</sup> ~~and~~ <sup>and</sup> ~~not~~ <sup>not</sup> ~~show~~ <sup>show</sup> ~~them~~ <sup>them</sup> to me.

Refused to even look at ~~my~~ <sup>my</sup> ~~letters~~ <sup>letters</sup> ~~from~~ <sup>from</sup> ~~the~~ <sup>the</sup> ~~Legation~~ <sup>Legation</sup> ~~Embassy~~ <sup>Embassy</sup> or listen to my possible explanation, then threatened.

~~See~~ <sup>See</sup> ~~my~~ <sup>my</sup> ~~application~~ <sup>application</sup> ~~to~~ <sup>to</sup> ~~such~~ <sup>such</sup> ~~a~~ <sup>a</sup> ~~review~~ <sup>review</sup> ~~as~~ <sup>as</sup> ~~Sutherland~~ <sup>Sutherland</sup> ~~, FAS, NAS?~~ <sup>, FAS, NAS?</sup> ~~or~~ <sup>or</sup> ~~let~~ <sup>let</sup> ~~Payly~~ <sup>Payly</sup> ~~do~~ <sup>do</sup> ~~it?~~ <sup>it?</sup>  
Hain, Stylian, Ehrlich, Wether, Fogg, --- see Hunt lawyer:

Savigny of Kintley.

The project, ~~was~~ <sup>was</sup> ~~biased~~ <sup>biased</sup> ~~heavily~~ <sup>heavily</sup> by a long series of discrimination and miswiring of justice against us,  
evidently biased a charge (by bias?) without giving me the opportunity to refute it.  
... that is the way that prejudices become the basis for action.

I am sure that when you have read the evidence, which describe only a  
small fraction of our experience, then, i) this really is a land of law, as a  
couple of recent presidents liked to state repeatedly, then we have long been  
treated with lawlessness ~~that~~ <sup>that</sup> of great dimensions. But I know you judge me,  
a sincerely democratic and law-abiding and fair citizen as I know you are, i) I  
feel that it is rather of lawless lawless and crooks because the majority is afraid  
of or does not want to fight them with their rotten ~~ways~~ <sup>ways</sup> ~~methods~~ <sup>methods</sup>, so the  
few ~~dominant~~ <sup>dominant</sup> but dominating "tricky dickies" usually do their crimes with ever guaranteed impunity.

There can never be a consensus on a new scientific truth  
for the simple reason that such a truth requires by time,  
and generation or several, to ~~be accepted~~ replace what the  
generation before found acceptable. Right makes right is never correct,  
but least of all when scientific ideas are concerned, a fact also true for the  
so-called democratic majority rule, which is for political expediency only.

The empty headed Center of American Scientists have kept the silence of the sea  
about the Japs, that I

- 1) caused the creation of the Center American Association of (sic) ...
- 2) caused the creation of the Center Botanical Association (sic) ...
- 3) caused the recent ... in a ... of North America ...





South West:

- "What they call a 'runny' man down" (Latin phrase of U. of Cal. & England.) -

Neutral, fair and congenial colleague in years: Paul Ehrlich. I cannot call him a friend since I have never met him.  
Word of honor, no ethics can be predicted.

Walter Dreyfus

You probably wonder  
(An honest American might ask) why I have not told this incredible story long ago to  
defend me against slander & defamation etc. I have been hesitant not only because all  
the scoundrel friends that I trusted have turned ~~on the back~~ <sup>on the back</sup> chickens, ~~but~~ instead of  
offering to fight with me, but also because I realized that only the cold  
neutrality of a respected judge would be acceptable & not the screening partiality  
& dissemination of ~~arrogant~~ <sup>academic & unimpeachable</sup> ~~propaganda~~ <sup>propaganda</sup> of religious philosophy turned gradually higher  
official by aid of mutual corruption. I hesitated, however, because I was afraid that  
in this land of dominance of the moral of theosaic laws not only ~~the culprits~~  
the real culprits might go free & innocent Yugoslavs & Slovaks who had been  
tricked & bribed into participation in the scheme be persecuted, but that  
the institutions & ~~the~~ their academic officers who were ~~not~~ ignorant of the scheme  
might also be seriously injured. And even the ~~very~~ reputation of the country itself  
as an active protector against similar violations of human rights elsewhere. However,  
now I feel that my silence has by enough protected the bureaucratic fascists  
so I am ready to reveal the story, provided that some others will stand at my side.

I realize, however, that by this silence I have not only been helping me & my family  
of a proper correction of a shameful treatment but am also protecting culprits  
who are a shame for the American dream, as are all those others who have known  
of their activities, ~~others~~ <sup>others</sup> suggested them with additional studies, ~~or~~ <sup>or</sup> ~~inactivity~~ <sup>inactivity</sup> & who have  
preferred to turn chicken rather than react as did Eric Zito in the case of Dreyfus  
& Upton Sinclair in the case of Sacco & Vanzetti.

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Protect me & others against the jealous bigots who certainly will ~~not~~ <sup>not</sup> want to see all kinds  
of crooked 'integrations' to smear me further & to ~~then~~ <sup>then</sup> persecute me instead of themselves.  
The old story of ~~persecution~~ <sup>persecution</sup> ~~heaven~~ <sup>heaven</sup> - Sales for - Smith, as, e.g. happened in the Betty Hearst case.

Dad has never been able to find an appropriate job in the US, & since 1973 we both  
have been without paid jobs & have been prevented from ~~work~~ <sup>work</sup> ~~any~~ <sup>any</sup> work, not only  
that corresponding to our education & qualifications, & we feel as less than second-class citizens.  
This is no better than, e.g., in Czechoslovakia in the Dubcek, cf. World Lines Oct.-Nov. 1978, p. 22.

It can be regarded as fair to ask that.

Perhaps the competence of those who felt competent to deliver me inquest on my chosen field as shown by the ~~agony~~ wish to replace me with a better American scientist, might need to be evaluated by really competent European scientists rather than by single American bureaucrats?

I wonder if this ~~of~~ ~~class~~ ~~by~~ ~~the~~ ~~vicepres~~ indicates that the legal counsel of the University is incompetent, or if the vicepresident is incompetent as a lawyer, or if both belong to that category? Or if this is plainly additional crosscheckers of the kind we should make too frequently at every level in Boulder?

I wonder if the vicepresident is indicating that the University legal counsel is incompetent, or if this indicates ~~that~~ doubts as to her own competence, or if both are doubtfully competent or honest lawyers? Or if this is ~~Or does it perhaps suggest that both~~ ~~may actually be~~ ~~incompetent~~ ~~and~~ ~~crosscheck~~, as we ~~at~~ most other small administrative ~~institutions~~ we dealt ~~with~~ in Boulder for nine years or more? That could be tested by aid of honest & clearly competent survivors from elsewhere.

... In a letter to Professor Weber, dated February 7, 1977: (James E. Arnold)

... The University has no further obligation to Professor Law ...

If this is correct, so that the ~~entire~~ paragraph regarding my University benefits ~~is~~ ~~repealed~~, ~~and~~ ~~the~~ ~~relevant~~ ~~members~~ ~~of~~ ~~the~~ ~~active~~ ~~group~~ is not worthless, ~~so~~ ~~the~~ ~~administration~~ including my former resignation?

If this is - a lack of law and not just a lack of crooked lawyers protected by the eagery of chickens?

Landolt, Pfeiffer, Dicks, Maitland, and myself, Tinsler or Kasperbauer, School, Heiser

discussed with all counsel: does that indicate a conspiracy of which I know nothing? Explained (to Weber, when?) that since I had resigned, not retired, there were no benefits. —

Res ipsa loquitur — the thing speaks for itself.

American law doctrine: innocent until proven guilty — ~~Law~~ ~~to~~ ~~test~~ —

Edmund Burke (1795): The only thing necessary for the triumph of evil is for good men to do nothing.

descent - multiple levels of guard?

Wagner: How would you advise a judge who some time ago was a part of the committee that set up the ...

The so-called country, Colorado is definitely not  
a University as we understand the word but a political  
institution ~~governed by Crooks~~ administered  
by Crooks - I am sure you would agree if I told  
you details. But we also met Crooks elsewhere,  
at the NSF at the Smithsonian - and then we  
tried to find practically all our so-called friends,  
not least those who had benefitted most from my help,  
turned chicken when we needed them, with  
two exceptions only: Will Weber and Pat Wesson in Boulder,  
the latter a janitor, the other not as strong as he would  
like to be - but still real Men. ~~When~~ I am sure  
that you do not understand Valhalla, because one of my  
poets once described, for the Danish king, the character  
of his subjects in the land when a Christian, who  
one with Hooker, made a so-called restriction of  
proclaimed honesty a lie, whom they of course adored  
- but the poet called them ~~handful of~~ *handful of*  
a dog flat eskimo nose.

S. S. KUMAR,  
Investigator Incharge

Botany Department,  
Panjab University,  
Chandigarh-160014.

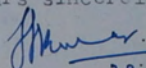
Dec. 20, 1978.

Dear Prof. Löve,

I am sending to you an enclosed list of  
chromosome number reports for publication in the  
"Taxon". I hope you will find it in order.

Thanking you and with best regards.

Yours sincerely,

  
(S.S.KUMAR) 20.12.1978

Member I.A.B.

Prof. Åskell Löve

5780, Chandler Court

San Jose, California 95123

U.S.A.

Arrogance of power,

Nations shatter,

Conspiracy

Over-eggs.

20 clock and days + evenings.

Re: CIA ~~etc~~ cloak and dagger.

U.K. cover.

Discrimination - conspiracy to prevent the delivery of results.

combined with sense of security involved by colleagues.

<sup>intentional</sup> and <sup>deliberate</sup> reluctance in protecting me through hunting others.

Sept. 10 1975: Gov. Brown (black) had overcharged the state just  
private travels, but a made good? by organizing - different treatment  
death students.

Sassy treatment

I am that  
In the <sup>least</sup> judgment of any fair and <sup>properly</sup> qualified scientist,  
the work we have done certainly is superior, both  
in quality and quantity — who else would complete  
such a list in two years? — and we had all  
reason to expect to be treated accordingly. However,  
even before we began we met with discrimination  
and miscarriage of justice from Mr. Schenck and  
his office (which ~~can~~ <sup>can</sup> state that can be  
easily substantiated) and he ~~has~~ <sup>has</sup> done his stuff and  
additives <sup>— just as he will ~~be~~ <sup>be</sup> ~~very~~ <sup>very</sup> ~~disparaging~~ <sup>disparaging</sup> in my field</sup> have done everything in their power to  
make our work more difficult. <sup>— for another reason ~~the~~ <sup>the</sup> ~~clear~~</sup> I have a reason  
to believe that those grantees who have done  
very much less have been treated considerably better,  
so I feel there is a reason to ask for a  
fair investigation, not only of this case but of the  
entire handling of them.



... Some scientists denounce heretics & heretics, while others abandon with ease their objectivity & jump on bandwagons... (Science, 196, 17 June 1977, p. 1276).  
with malice toward me (Lincoln).

... One can easily imagine circumstances under which it is wisest not to reply. ...

- Kolata states that the list of mathematicians opposing catastrophe theory reads like a who's who in American mathematics & cites two names. Even had she cited a hundred, it would hardly constitute proof that catastrophe theory is sound. The effect of this approach is to make it only... to ridicule catastrophe theory without having to go to the trouble of studying the details.

CIA ~~is~~ used the Smithsonian & the military crooks in the administration at Boulder to hunt me and my family more than any other scientist has been hunted west of Hitlerland, though I am aware that other immigrants have disapproved - that may have been less painful. And whereas other "finks" who feel they are ethical, either turned chicken or closed their eyes - as Van Coot, who had no time to ~~write~~ mention our case to the National Academy, but signed protest papers for Chinese dissidents, whom he did not know. Anything can be done against honest scientist-immigrants - and an others - by ~~own~~ scientists, who know of the malice & injustice, do not have courage to help fight it.

Levit as apparatus 6/5 '73

- 1) Printer.
- 2) Printpress, (computer)
- 3) Bogenwetter.
- 4) Paillard movie camera
- 5) Paillard projector
- 6) Editor.
- 7) Noilex tape recorder
- 8) Leicaflex camera
- 9) Elmerit - R 35 mm
- 10) Elmerit - R 90 mm
- 11) Leica cloning stand or copy stand.
- 12) 3 large filters (UV + polarized)
- 13) 2 small filters (yellow + green).
- 14) 6 extension rings
- 15) 2 ELARO supplementary lenses (in cases)
- 16) Polaroid camera with cloning equipment (2 suitcases + large package)
- 17) IBM typewriter with six heads and tapes
- 18) <sup>Monroe</sup> ~~Interball~~ calculating machine
- 19) Noilite floodlights
- 20) 2 Zeiss microscopes, microtome, binocular microscope etc.

Speciation :

not a continuous process, but a stratified stability of ladderlike advances, each step of which is apparently protected from extinction by something called reproductive isolation.  
(genetic physics)

Adaptation = a continuous & reversible process based on gene mutation, genetic recombination & natural selection.

Genetic differentiation = among other basic steps, diploid.

---

Evolutionary centre phenetic (numerical-taxonomic)

Emphasize logical philosophical basis first.

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- single hit is sufficient to produce the consequence.
14. National Academy of Sciences, *Contemporary Test Control Practices and Prospects* (National Academy of Sciences, Washington, D.C., 1975), vol. 1.
  15. S. Peto, *Biometrics* 9, 320 (1953).
  16. H. A. Kahn, in *Natl. Cancer Inst. Monogr. No. 19* (1966), p. 1.
  17. J. Cornfield, F. W. Carlberg, J. Van Ryzin, *Proceedings of the First International Toxicology Congress*, in press.
  18. An unpublished calculation by J. Van Ryzin applying the continuous multi-hit generalization of the one-hit model ( $I_1$ ) to the Dorn smoking-lung cancer results (see (6)) leads to an estimate of 0.7 hit. A less than one-hit model, for which there appears to be no biological rationale, is easily explained on the reporting error hypothesis, so that this result adds empirical support to that hypothesis as a theoretical explanation of the epidemiologic results.
  19. B. Wolfe, *Science* 196, 1387 (1977).
  20. J. McCann and B. N. Ames, in *Occupational Carcinogenesis*, U. Saffioti and J. K. Wagoner, Eds., published in *Ann. N.Y. Acad. Sci.* 271, 5 (1976).
  21. B. E. Matter and J. Grauwiler, *Mutat. Res.* 23, 239 (1974); D. J. Kilian et al., *ibid.* 44, 97 (1977).
  22. A. W. Hsie, et al. in preparation.
  23. K. S. Crump, D. G. Huel, C. H. Langley, R. Peto, *Cancer Res.* 36, 2973 (1976).
  24. To distinguish between independent and addi-

- tive effects of two or more agents one has to make large numbers of observations. The use of the cell systems for investigating joint effects in mutagenesis would supply large numbers and seems promising. Summaries of results of experiments in combination carcinogenesis can be found [Health and Welfare Canada, *The Testing of Chemicals for Carcinogenicity, Mutagenicity and Teratogenicity* (March 1975); D. Schmsl, *Oncology* 33, 73 (1976); J. C. Arcos, in *Chemical Carcinogenesis*, P. O. P. Ts'o and J. A. DiPaolo, Eds. (Dekker, New York, 1972), part A.]
25. The designation "conservative" is clearly inappropriate since it is not conservative to forego benefits—which may be more than monetary, as in the antimutagenic effect of DDT. The strict Bayesian decision procedure, which requires assignment of prior probabilities to all the possible scientific hypotheses, utilities to all the possible consequences, the computation of an expected utility for each possible decision, and the selection of the decision with maximum expected utility may be well beyond the capacity of any scientifically, legally, or politically oriented decision-maker short of Plato's philosopher king, even though it is the only coherent one [see D. V. Lindley, *Making Decisions* (Wiley, New York, 1971); and B. Altschuler, in *Environmental Health, Quantitative Methods*, A. Whitmore, Ed. (Society for Industrial and Applied Mathematics, Philadelphia, 1977)].
  26. L. J. Savage, *Foundations of Statistics* (Wiley, New York, 1954).

27. This assumes that utility is linear in probability of risk, a reasonably acceptable assumption for the small probabilities of concern, but of doubtful generality and, of course, ludicrous as the probability approaches unity.
28. *Summary Report: Drinking Water and Health*, a report of the Safe Drinking Water Committee, Advisory Center on Toxicology, Assembly of Life Sciences (National Research Council, National Academy of Sciences, Washington, D.C., 1977).
29. P. J. Gehring and G. E. Blas, *Proceedings of the First International Toxicology Congress*, in press.
30. J. A. Miller and E. C. Miller, *J. Natl. Cancer Inst.* 47 v (1971).
31. L. S. Goodman and A. Gilman, *The Pharmacological Basis of Therapeutics* (Macmillan, New York, 1970).
32. This model thus explains low-dose linearity for mutagenicity in some cellular systems and non-linearity for carcinogenicity in mammals by the existence of deactivating mechanisms, such as detoxification by the liver ( $T > 0$ ) in the latter, but not in the former ( $T = 0$ ). A striking example of this is given by Hsie (22), who studied the mutagenic effects of ethyl methanesulfonate in Chinese hamster ovary cells both in vitro and in vivo. The dose-response curve for the former was linear, but for the latter showed an apparent threshold.
33. The preparation of this manuscript was supported by NIH grant 15919.

## The Code of the Scientist and Its Relationship to Ethics

André Courmand

Several decades ago, Paul Valéry, poet and essayist, declared (*1*):

Never has humanity known so much power and so much confusion, so much worry and so much play, so much knowledge and so much uncertainty. In equal measure does now anguish, now futility, command the hours of our days.

These words were undoubtedly appropriate when Valéry gave pen to them. Yet today they are perhaps even more apposite. Indeed, they seem to apply to three distinct spheres of human action.

In the first place, we live in a time in which the industrialized countries are experiencing unparalleled technological development, in large part the fruit of science. However, the benefits of new technologies are distributed in a grossly unbalanced manner, not only within individual industrialized countries, but also among all the nations of the world. Overcrowding and environmental degradation are already significantly reducing the quality of life in the developed nations

and give stark evidence of their inability to confront the problems of the future and its planning. Excess population and famine are on the increase in some regions, while in others there are those who enjoy material goods and leisure as never before. In a word, our inability to regulate the processes of cultural and technological development poses a grave threat to our ability to achieve a decent and humane future.

In the second place, as we all are aware, the trends toward nationalism, and its opposite, multinational industrialization, are growing. Many will agree with me that if a universal world order of some type is not achieved by agreement based upon reason and economic justice, the prospect is that it may be imposed by force.

And third, science is now in a state of siege. Those who in the past have praised its contributions to human understanding and material well-being are now questioning many facets of the sci-

entific enterprise. Some even go so far as to ask whether it does not contain the potential for destroying civilization.

In this article I center my discussion on something which I shall argue is common to each of these problems, namely, the operating and ethical code of the scientist. First, I discuss some aspects of the situation of scientists and the possibilities for preserving the norms of science. Second, I deal with an even broader question: could there be a relationship between the ethical stance of the scientist, *qua* scientist, and the problem of fostering humane socioeconomic development? In turn, these reflections will prepare the way for a brief examination of the possible relationship between science and a unified world-order of some type.

### Formulation of an Operational and Ethical Code of the Scientist

Scientists have developed characteristic rules of procedure that help to produce the intended outcome of their activity, which is certified knowledge. These rules also guide the conduct of individual investigators toward each other in their capacity as scientists. In 1942, Robert Merton formulated these rules as the

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TEN COMMANDMENTS OF A SCIENTIST

1. Do not feel absolutely certain of anything.
2. Do not think it worth while to proceed to conceal evidence, for the evidence is sure to come to light.
3. Never try to discourage thinking for you are sure to succeed.
4. When you meet with opposition, endeavor to overcome it by argument and not by authority, for a victory dependent upon authority is unreal and illusory.
5. Have no respect for the authority of others, for there are always contrary authorities to be found.
6. Do not use power to suppress opinions you think pernicious, for if you do the opinions will suppress you.
7. Do not fear to be eccentric in opinion, for every opinion now accepted was once eccentric.
8. Find more pleasure in intelligent dissent than in passive agreement, for, if you value intelligence as you should, the former implies a deeper agreement than the latter.
9. Be scrupulously truthful, even if the truth is inconvenient, for it is more inconvenient when you try to conceal it.
10. Do not feel envious of the happiness of those who live in a fool's paradise, for only a fool will think that it is happiness.

It is important for another to save their faces. Therefore, let your lawyer  
explain to Guy Arp what he has done & that if he does not withdraw  
his affidavit - I tell Hollway that he will tell that it was given ~~the~~ <sup>the</sup> ~~denon~~ <sup>denon</sup> -  
then we will be able to get substitution for him. That will give Hollway at the University  
an opportunity to save their faces by saying that they were misled, &  
offer restitution - I help to get agreement from the Southern. ?

Witchhat that went out of head when it was turned over to the <sup>careless</sup> ~~creator~~ <sup>birds</sup> who  
made it into a message of justice instead of ~~where~~ <sup>where</sup> ~~human~~ <sup>rights</sup> ~~are~~ <sup>are</sup> honored.

## Evolution and Tinkering

François Jacob

Some of the 16th-century books devoted to zoology and botany are illustrated by superb drawings of the various animals that populate the earth. Certain contain detailed descriptions of such creatures as dogs with fish heads, men with chicken legs, or even women without heads. The notion of monsters that blend the characteristics of different species is not itself surprising; everyone has imagined or sketched such hybrids. What is disconcerting today is that in the 16th century these creatures belonged, not to the world of fantasies, but to the real world. Many people had seen them and described them in detail. The monsters walked alongside the familiar animals of everyday life. They were within the limits of the possible.

When looking at present-day science fiction books, one is struck by the same phenomenon: the abominable animals that hunt the poor astronaut lost on a distant planet are products of recombinations between the organisms living on the earth. The creatures coming from outer space to explore the earth are depicted in the likeness of man. You can watch them emerging from their unidentified flying objects (UFO's); they are vertebrates, mammals without any doubt, walking erect. The only variations concern body size and the number of eyes. Generally these creatures have larger skulls than humans, to suggest bigger brains, and sometimes one or two radioantennae on the head, to suggest very sophisticated sense organs. The surprising point here again is what is considered possible. It is the idea, more than a hundred years after Darwin, that, if life occurs anywhere, it is bound to produce animals not too different from the terrestrial ones; and above all to evolve something like man.

The interest in these monsters is that they show how a culture handles the possible and marks its limits. It is a requirement of the human brain to put order in the universe. It seems fair to say that all cultures have more or less succeeded in providing their members with a unified and coherent view of the world and of the forces that run it. One may disagree with the explanatory systems offered by myths or magic, but one cannot deny them unity and coherence. In fact, they are often charged with too much unity and coherence because of their capacity to explain anything by the same simple argument. Actually, despite their differences, whether mythic, magic, or scientific, all explanatory systems operate on a common principle. In the words of the physicist Jean Perrin, the heart of the problem is always "to explain the complicated visible by some simple invisible" (1). A thunderstorm can be viewed as a consequence of Zeus' anger or of a difference of potential between the clouds and the earth. A disease can be seen as the result of a spell cast on the patient or of an infection by a virus. In all cases, however, one watches the visible effect of some hidden cause related to the whole set of invisible forces that are supposed to run the world.

### The World View of Science

Whether mythic or scientific, the view of the world that man constructs is always largely a product of imagination. For the scientific process does not consist simply in observing, in collecting data, and in deducing from them a theory. One can watch an object for years and never produce any observation of scientific in-

terest. To produce a valuable observation, one has first to have an idea of what to observe, a preconception of what is possible. Scientific advances often come from uncovering a hitherto unseen aspect of things as a result, not so much of using some new instrument, but rather of looking at objects from a different angle. This look is necessarily guided by a certain idea of what the so-called reality might be. It always involves a certain conception about the unknown, that is, about what lies beyond that which one has logical or experimental reasons to believe. In the words of Peter Medawar, scientific investigation begins by the "invention of a possible world or of a tiny fraction of that world" (2). So also begins mythical thought. But it stops there. Having constructed what it considers as the only possible world, it easily fits reality into its scheme. For scientific thought, instead, imagination is only a part of the game. At every step, it has to meet with experimentation and criticism. The best world is the one that exists and has proven to work already for a long time. Science attempts to confront the possible with the actual.

The price to be paid for this outlook, however, turned out to be high. It was, and is perhaps more than ever, renouncing a unified world view. This results from the very way science proceeds. Most other systems of explanation—mythic, magic, or religious—generally encompass everything. They apply to every domain. They answer any possible question. They account for the origin, the present, and the end of the universe. Science proceeds differently. It operates by detailed experimentation with nature and thus appears less ambitious, at least at first glance. It does not aim at reaching at once a complete and definitive explanation of the whole universe, its beginning, and its present form. Instead, it looks for partial and provisional answers about those phenomena that can be isolated and well defined. Actually, the beginning of modern science can be dated from the time when such general questions as, "How was the universe created?"

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## Human Issues in Human Rights

The experience of the Committee on Human Rights  
of the National Academy of Sciences.

Robert W. Kates

To be active in defense of human rights is to confront human issues both disturbing and difficult. For almost 2 years a committee of the National Academy of Sciences (NAS) has sought to develop a sustained program of human rights activity appropriate to its membership and its tradition of concern for the rights of scientific workers.

### The Academy Committee

The Committee on Human Rights was chartered by the council of the academy and is composed of seven members of the academy and three liaison members from the National Academy of Engineering and the Institute of Medicine (1). Ex-

undertaken of the fate of scientific workers in different areas.

When a case of severe repression has been identified, we begin a further process of inquiry that always involves consultations with a responsible spokesperson of the country where our colleague resides or is imprisoned and, where possible, with members of human rights organizations and scientific institutions, with a representative of the U.S. embassy in the country involved, and with the victim's family and friends. A great deal of care goes into these inquiries as we try to maintain the same standards of evidence, balance, and open-mindedness that characterize academy assessments on scientific matters. When a clear-cut case has been devel-

*Summary.* The National Academy of Sciences' Committee on Human Rights and its 350 correspondent academy members seeks to ease the plight of individual scientists, engineers, and medical personnel suffering severe repression. It has engaged in a program of private inquiry, public remonstrance, and moral support in behalf of individuals from 11 countries. In developing this activity, members of the committee had to engage in a series of troubling issues related to the nature of human rights, the choice of cases, and the format of protest. But most troubling of all are the issues raised by the profound distortions of humanness, nationhood, and science that follow in the wake of repression.

ceptional support is given to it by the staff of the Commission on International Relations (2). The committee received financial support from the academy's endowment funds.

Our activity focuses on the plight of individual scientists, engineers, and medical personnel suffering severe repression. Such cases may originate in the files of Amnesty International, with the initiative of a member of the academy, in a letter from a victim's friend or family, or in the informal reviews that we have

opened—clear-cut in the sense that there is a strong basis to assume that an individual is, indeed, undergoing severe repression—we formulate a series of requests appropriate to the case and prepare a public statement. The statement and the requests are reviewed by the academy's 12 elected councillors; when approved, sometimes after revision, they are made public. Once this is done, our committee tries to undertake a sustained effort in behalf of the aggrieved individual, combining public remonstrance with appeals to the concerned government, their national academy if such exists, or other scientific institutions, and providing moral support to the individual and his or her family.

A major feature of the committee's effort is our correspondent network of some 350 members of the academy who have volunteered to receive communications from the committee and to act upon them. Thus, the efforts of the committee are amplified as correspondents write or cable governmental representatives, offer support to families, and call attention to the plight of individuals within their professional societies, at their workplace, or through their international contacts.

Currently, inquiries and other efforts are being directed in behalf of individuals in 11 countries, and public statements have been issued in behalf of 18 individuals: Federico Alvarez-Rojas, Claudio Santiago Bermann, Gabriela Carabelli, Juan Carlos Gallardo, Antonio Missetich, Eduardo Pasquini, and Elena Sevilla of Argentina; Vladimir Lastuvka and Ales Machacek of Czechoslovakia; José Luis Massera of Uruguay; Sergei A. Kovalev, Yuriy F. Orlov, and Antolij B. Sheharskiy of the U.S.S.R.; T. W. Kamil, I. Made Sutayasa, Bursono Wiwoho, and Kamaluddin Singgih of Indonesia; and Ibrahim Ly of Mali.

The last five cases, which we have just formally adopted, can demonstrate some of the committee's process. The Indonesian scientists have each been held incommunicado from immediate families and relatives for long periods of time. They are representative of a much larger number of Indonesians (3) who also are being held, often without trial, without access to legal counsel, and without other opportunity to have their arrest and detention clarified or adjudicated.

T. W. Kamil, about 50 years old, is one of Indonesia's leading linguistic scholars from the University of Jakarta; he studied at the University of Michigan. He was arrested on 30 October 1965 and has been detained since that time. He is reported to be held at Nusakambangan prison.

I. Made Sutayasa, believed to be about 36 years old, was an archeologist employed at the National Research Center of Archeology until 1975 when he was arrested in Jakarta upon his return from a conference of archeologists in Australia. He has not been formally charged or tried; it is believed he is being held on the island of Bali. He is married and has four children and may have been a member of the Indonesian Communist Party before it was banned.

Bursono Wiwoho, about 55 years old, was professor of educational psychology at Gadjah Mada University in Jogjakarta, Java. Professor Wiwoho had been a member of the National Planning

The author is University Professor and Professor of Geography at Clark University, Worcester, Massachusetts 01610. This article is adapted from a paper presented on 17 February 1978 at the Annual Meeting of the American Association for the Advancement of Science in Washington, D.C.



# Book Reviews

## Memoir of a Physicist

**Why I Left Canada.** Reflections on Science and Politics. LEOPOLD INFELD. Translated from the Polish by Helen Infeld. Lewis Pyenson, Ed. McGill-Queen's University Press, Montreal, 1978. xii, 212 pp., illus. \$16.95.

Leopold Infeld, who died in 1968 at the age of 70, was a well-known Polish physicist whose scientific contributions were mainly in the field of general relativity. The paper "The gravitational equations and the problem of motion" (*Ann. Math.* **39**, 65 [1938]) by Einstein, Infeld, and Banesh Hoffmann is a recognized classic, and the problems raised (and partially solved) in it occupied Infeld to the end of his life. Outside of relativity, his paper with Max Born, "Foundation of the new field theory" (*Proc. R. Soc. London Ser. A* **144**, 425 [1934]), in which an interesting modification of Maxwell's theory was proposed, attracted the attention of physicists in the middle and late '30's. Distant echos of this paper are still occasionally heard (see for example p. 579 of G. B. Whitham's excellent book *Linear and Non-linear Waves*, Wiley-Interscience, 1974).

Infeld also had a considerable literary gift and the kind of ego that finds an outlet in autobiographical writing. In 1941 he published *Quest*, a brilliantly written account of his struggle to do science, and in the '60's two slim volumes, in Polish, updating and enlarging upon *Quest*.

The present volume is a translation into English, by Infeld's widow, of parts of these two books. (Actually only the chapter on Oppenheimer is taken from the later of the two, *Kordian and I*; the rest is from the earlier *Sketches from the Past*.)

The most distressing chapter is the one that gives the book its title. It is a blow-by-blow account of a campaign of harassment and vilification to which Infeld and his family were subjected in response to his request in 1950 for a leave of absence from the University of Toronto to enable him to spend a year in Poland. Infeld finally felt compelled to resign from his post as professor of applied mathematics at Toronto and de-

cidated to remain in Poland permanently. Eight years later in a lapse into barbarism the Canadian government, through a special act of the Council, deprived Infeld's native-born children of their Canadian citizenship.

In Poland Infeld became a major scientific and political figure. He was instrumental in raising Polish physics from the ashes to which it was reduced by the war and German occupation, and until his death he represented Polish science in both the East and the West. He traveled freely, met with scientists and government leaders of many lands, and was one of the Pugwash "regulars." Glimpses, maddeningly brief, of Fock, Kapitza, Landau, and Tamm on the scientific end of the spectrum and of Chou En-lai and Bierut on the political end are scattered throughout the narrative; because of illness Infeld missed meeting Khrushchev in May 1959 at a congress of the World Peace Movement, which was held in Stockholm.

Still, the most interesting parts of the book concern Einstein. Einstein was the dominating influence in Infeld's life from the moment of their first meeting in 1920, when Infeld was briefly a special student in Berlin, to the day of Infeld's death. Lewis Pyenson, who edited the book, remarks in his most helpful introduction that "Infeld is Boswell for the mature Einstein." There is little doubt that fu-

ture biographers of Einstein as well as historians of science will find Einstein's letters to Infeld (quite a few of which are reproduced in the book in translation as well as in the original German) enormously helpful in forming a picture of the man and his work.

The reviewer cannot resist two brief quotations. First from a letter written in April 1946:

Please don't be angry with me that I have written you so infrequently; the devilish passion to find a solution for these most difficult problems has held me pitilessly in its clutches and has forced me to make desperate efforts to overcome the mathematical difficulties.

This is Einstein at 67, locked in struggle with the unified field theory.

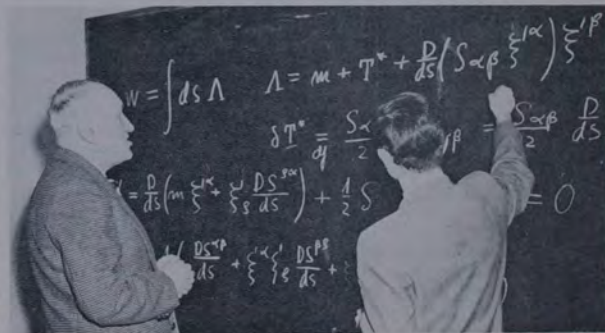
And from a letter of 6 March 1941:

Our work on the equations of motion, surprisingly enough, has aroused greater interest than we had anticipated then.

This is Einstein, human after all, and like the rest of us not above taking notice of having been noticed.

Einstein's estrangement from the mainstream of physics and his opposition to quantum mechanics are a recurrent theme, but the puzzle remains. Perhaps Einstein felt that when he created general relativity he heard the voice of God and that he listened in vain for that voice in the noises of contemporary physics. This is anyway the impression left on this reader.

Of the "sketches from the past" mention should also be made of a touching tribute to Infeld's sister, Bronia, who perished with her family in the Holocaust; a study in hopelessness, about the Polish town Konin, where Infeld taught for several years in a secular Jewish school; and a portrait of Wladyslaw Natanson, for many years the professor of theoretical physics at the University of



"Leopold Infeld with a student in Warsaw." [From *Why I Left Canada*]

It was my intention, when I signed the now infamous paper that was prepared by Mr. Holloway & presented to me by Provost Crowe, that I was signing an agreement of not making ~~any~~ difficulties to the University because of the miscarriage of justice which they would have forced me to hunt the students, who I suspected but did not know had been induced by these clerics to sign prejudiced accusations that were being falsely made by the provost, & that for my willingness not to fight this, they were guaranteeing me a full pardon for the University, and other things. This they broke at once & their successors have followed suit. It may be fully accorded to American conscience & practice towards migrants, but ~~in my opinion~~ I can only think about the old Icelandic-Norwegian *Gæðumál* (cf. *Arkivskriftene* 1974, s. 7).

Wm

26785

What I did I would do again under the same circumstances,  
because my research contract required that - & nothing is  
more important than the research that I have provided to complete.

Right to be confronted with the witnesses against him,

Right to be tried by his peers,

Right to demand a fair treatment, not favoritism, bribery, discrimination.

Not peers - Paul Hurd, Don Prescott & others here except Bill Weber.

Dear Dr. Stone:

I have read & studied the material you sent as a propaganda for the P.A.S. & must admit that I admire your few courageous members for the ~~fact~~ your fortitude in this country of chickens, in my experience.

I ~~am~~ also have a high opinion of your willingness to at least try to help our Russian colleagues in their disaffection, although I am afraid that sometimes protests from abroad through perhaps channels that irritate the rights ~~may~~ might but then rather than help them, as similar actions ~~would~~ from abroad would do even here, especially coming from the Soviet Union. It is ~~also difficult to~~ However, fortitude & courage is what they show when fighting for their opinions, & it will at least warm them to see that something similar is met with here, although they certainly are not aware of the negative reactions in America that they would experience if migrating to here without ~~being~~ getting lively protection against bigotry.

Self satisfaction of knowing that one has done one's best.

Whatever you feel should be done, I hope you can give us the only help  
 we need - a note that my finding proper position in an amiable place, at first,  
 preferably in the San Jose or Bay area, California, ~~because some former contacts~~  
~~between~~ We firmly believe that publicity focused upon the Deason dissidents  
 has greatly hurt them, as publicity & fight also would do here. ~~But~~  
 I am a strong believer in the correctness of the ethics that Robert Drury  
 once put in the words: good to forgive, best to forget, and  
 am badly un-American in having no interest in revenge or in  
 vindictive or imagined honor that ~~is~~ <sup>is characteristically</sup> ~~body~~ feels he has incurred,  
 because ~~we~~ I know that whatever anybody says now, future ~~with~~  
~~attempts~~ as well as responsible people outside America will  
 always acknowledge that in ~~the~~ my chosen field I remain  
 junior in the past.

*Handwritten initials or marks*

*Vertical handwritten notes and marks on the right margin*

I realize that I am very un-American in having no interest in fighting miscarriage of justice experienced by myself although I would risk everything to ~~correct~~ <sup>force the correction of</sup> ~~misdeeds~~ <sup>misdeeds</sup> against my ~~own~~ <sup>friends</sup> ~~and~~ <sup>(I'm having no interest in revenge</sup> ~~and~~ <sup>and</sup> ~~believing~~ <sup>believing</sup> that it is good to judge but best to forget. Therefore, I am not asking you to help me take vengeance for ~~what~~ the treatment I have suffered or to hunt back those pitiful people who have found consolation in hating me as an immigrant scientist with other ideas. But I would appreciate your help in giving me back what is rightfully mine and in getting for me a treatment that one can expect to be given a scientist of my standing even when he lives abroad in a country that he thought was better than his own. At the same time as I hope you find a way to ~~prevent~~ <sup>help</sup> ~~help~~ <sup>help</sup> ~~others~~ <sup>others</sup> ~~similarly~~ <sup>similarly</sup> ~~mistreated~~ <sup>mistreated</sup> and to prevent that ~~work~~ <sup>work</sup> ~~by~~ <sup>by</sup> ~~unethical~~ <sup>unethical</sup> ~~methods~~ <sup>methods</sup> ~~which~~ <sup>which</sup> ~~do~~ <sup>do</sup> ~~not~~ <sup>not</sup> ~~benefit~~ <sup>benefit</sup> ~~the~~ <sup>the</sup> ~~also~~ <sup>also</sup> ~~for~~ <sup>for</sup> ~~scientists~~ <sup>scientists</sup> who want to do their best.

There is too that might easily be ignored but that ought to be pointed out.

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If you are interested in ~~cases~~ <sup>cases</sup> ~~of~~ <sup>of</sup> ~~immigrants~~ <sup>immigrants</sup> ~~in~~ <sup>in</sup> ~~America~~ <sup>America</sup> ~~and~~ <sup>and</sup> ~~Europe~~ <sup>Europe</sup> ~~and~~ <sup>and</sup> ~~other~~ <sup>other</sup> ~~countries~~ <sup>countries</sup> ~~you~~ <sup>you</sup> ~~describe~~ <sup>describe</sup>, I think I have experimental it here: for the expression of a intellect not so much different from the American ones. There are immigrant scientists who have been used ~~to~~ <sup>to</sup> ~~work~~ <sup>work</sup> ~~in~~ <sup>in</sup> ~~various~~ <sup>various</sup> ~~ways~~ <sup>ways</sup> ~~and~~ <sup>and</sup> ~~for~~ <sup>for</sup> ~~various~~ <sup>various</sup> ~~purposes~~ <sup>purposes</sup> ~~and~~ <sup>and</sup> ~~for~~ <sup>for</sup> ~~various~~ <sup>various</sup> ~~other~~ <sup>other</sup> ~~purposes~~ <sup>purposes</sup>. There are institutions in America which are of a international character, and thus do not practice discrimination; unfortunately, very many more of us did not realize the absurd difference between these and the great majority of so-called universities, and so the bill of immigrant scientists is discriminated against. Most of them realize the meaning of fighting this in this lastest land of dangers who always could find other opportunities and so they keep quiet — even in cases as serious as ours, since all soon find out that the truth of the old words of Lloyd George that when discrimination strikes you find the same chicken — especially in America I would add — and especially much less on the Soviet Union to judge for what you say. And the newspapers and papers who are — ~~in~~ <sup>in</sup> ~~the~~ <sup>the</sup> ~~country~~ <sup>country</sup>, have less of the miscarriage of justice or simply ignore it, as I know only in my experience.

Tell the doctor giving you science, that you have been injured that I and my wife have been busy last by a medical committee that we proposed to fight because we did not want to hurt others or the country, and we just thought you were signing

I wanted also their signatures told me that as far as they are concerned, I could also join your action and I hope I have not wasted too long to return you a reply

Dear Dr. Stone:

I received your letter of January 20 regarding the protest by the FAS in the Kovalev case. Although I am in full concordance with your action, I hesitated to send my signature because I had already joined half of my fellow members of the Icelandic Academy (Societas Scientiarum Islandicum) in a similar action to be handed over to the Soviet Ambassador to Iceland. However, since the shockingly limited membership of the FAS may cause that your protest gets fewer signatures than it ought to have, I enclose your envelope with my signature, in case you find it appropriate that my name then may be on two such papers; I am an immigrant from Iceland (for personal details, see, e.g., American Men and Women of Science or Who's Who).<sup>52</sup> I hope you excuse that I find it inappropriate that I write also to the Soviet Ambassador to the USA.

Naturally, I am in a strong agreement with the purposes of the FAS, although I have not been aware of its existence until now. However, at present I cannot afford to join even at the cheapest level, because of the results of a longtime and steadily increasing and unbelievable witchhunt to prevent us from working and even living, supported by a skilled combination of double standard, miscarriage of justice, conspiracy, slander, entrapment and you name it, which reminds a good deal of what you describe from the Soviet Union and what we had previously heard about from Hitlerland - indirectly supported by the fact, as Lloyd George once phrased it, that when discrimination strikes your friends turn chicken, supporting the older claim by Edmund Burke, that the only thing necessary for the triumph of evil is for good men to do nothing. The FAS seems to be the small exception from this rule; and it may be significant that most of your board members are chemists or physicists and only two are environmental-evolutionary biologists: Borlaug and Ehrlich, both great minds.

Since our experience "cannot happen here", you may tend to think that this must be our imagination, but if you feel compelled to look into an American case the correction of which might strengthen even your Russian protests, I believe that you could get my notion of a witchhunt confirmed by contacting the only two of our colleagues and friends who are great enough still to dare to show us some friendship; however, to avoid scaring them, such a contact must preferably be made through a phone call to their homes and with a clear promise not to get them involved more than they wish to become. These friends are: Dr. William A. Weber, University Museum (home phone (303) ), and Dr. Jack D. Ives, Institute of Arctic and Alpine Research (home phone (303) ). Whatever you feel should be done, I hope you are careful not to cause that we be hurt more than we have already experienced, and that institutions rather than individuals be corrected, because I am a firm believer in the principle that Robert Browning once phrased so nicely, that it is good to forgive but better to forget, although I must admit that I have not met others who believe in that kind of ethics since I left my little homeland, or put on in ethical grounds, and may have a right to live and do what we do better than any other anywhere. <sup>It seems</sup>

When our American nightmare again has changed back into our American dream, so that we again can afford to join our colleagues, the FAS will be the first society we become associated with; hopefully as active members who can at least try to convince many of the perhaps quarter million ~~xxxxxx~~ chicken in our fields that they ought to join the only 6500 courageous FAS members so that it can most effectively protect all kinds of scientists at home and abroad against persecution. The greater the membership the stronger the voice.

Still believe that we

allegation - increasingly unfair and arbitrary treatment never looked into by the cold mentality of a spiritual judge. details could fill books on the size of style of polytechnic but I am not interested in democracy American as he had said

best! Almost that the meeting what I hope you will be sure that it has been done by Dr. Kovalev, the

actions

Plan of the protest and support origins outside the borders and going you will find that most have migrants to America feel discriminated against - see some prominent in the American style. Approx. style of Digital Methods of check-out - 4000 years. Professor's box of typing a law signature

activity is much less already seen that

two weeks and the very few had gotten I have known 2 in Boston [Buller's in Any Style Southwestern - Buller's 500]

Callous

at callous

by legal committee, judges, etc. or politicians

~~The FAS is aware of the need to stand guard not only for those the FAS might be interested in looking into~~  
~~as some might be ready to stand up also the FAS wants~~  
 to work against persecution of scientists both at home and  
 abroad. I am writing this to you without giving you  
 details, (because I have a lot of my own work to do since I have to travel a lot of places)  
 in the belief that you might be willing to  
 check my complaints and to try to help us without  
 letting us know the unscrupulous American administrators  
 and the scientists who turned children directly here down.  
 I trust that if you contact, per telephone rather than  
 by letter, the only two of our Boulder colleagues who  
 have dared to show us ~~of~~ continued friendship,  
 they would confirm my claim as to the witchhunt, although  
 they know few of the details. But in order not to embarrass  
 them, please do not reveal for whom you have your  
 preliminary information. I do not involve them if they  
 do not ~~want~~ want to be involved, for the sake of their  
 security in their place of work <sup>in Boulder</sup> and their <sup>with the cooperation of</sup> colleagues are:  
 Dr. William A. Weber, University Museum, Boulder  
 ph. 303-492-5171. and Dr. Jack D. Lee, Institute of Arctic and Alpine  
 Research, ph. 303, 492-7909. Since I believe that both are  
 planning to leave for ~~excursions~~ excursions abroad, ~~you~~ the same  
 you could contact them the better. <sup>And the right people, people</sup>  
<sup>whom I have a reason to believe</sup>

Whatever you do, please, try to avoid to make any  
 expression a voice similar to that of the Puritan divines, because  
 I do not share their wish to hunt the country of my love  
 why because of our few rights <sup>and many children</sup> <sup>and to give them a right</sup>  
 I sincerely hope you can help us <sup>to continue a normal life</sup> so that we can  
 join the FAS and assist peacefully in its fight against  
 persecution of scientists wherever this occurs, so that we  
 may ~~not~~ not in building up courage to stand up and be counted  
 wherever needed ~~and~~ and those many of our colleagues  
 who presently do not dare to act like real men.

Yes very sincerely

I realize that I am writing you in a very hurried way and I have no interest in making a great letter. I am sure that you will be able to judge the value of the information. I am sure that you will be able to judge the value of the information. I am sure that you will be able to judge the value of the information.

and since I am a firm believer in that it is good to judge but not to judge I must write of the fight hunt.



Dear Dr. Stone:

I have received your letter with the enclosure which I return duly filled out, ~~although I would have liked to add a good deal more sentences that~~ However, ~~I~~ ~~regret~~ that I ignored your entire letter regarding the Novikov case, because I had already joined ~~many~~ the scientist colleagues ~~many~~ who are my fellow members of the small but exclusive Public Assembly (Scientists Scientists Movement) in their casual and low-key suggestion to the Soviet Ambassadors to label, since I believe ~~protest~~ ~~new~~ louder protests could hurt him as they could hurt those discriminated against even here.

Naturally, I am in a strong agreement with the purposes of the FAS, although for some reason I have not been aware of its existence until now. However, at present I cannot afford to join even at the ~~best~~ ~~lowest~~ cheapest level, because of what I believe you will agree to call a bygone and unbelievable witchhunt, supported by established ~~methods~~ ~~of~~ ~~science~~ methods that show that Anger, Stoyles in America are not confined to Nixon's Watergate, but as less to ~~well~~ so-called universities and even to the highest research institutions in the country. All supported by the facts as Lloyd George once pronounced it, that when discrimination strikes, can you jump turn chickens, thus supporting the claim by Edmund Burke, that the only thing necessary for the triumph of evil is for good men to do nothing. Repeated rise of fascism and a constant bigotry against minorities and migrants in this turbulent ~~of~~ ~~times~~ is the result of this indifference through fear, and it ~~is~~ is probably also the cause of the fact that the ~~the~~ membership of the FAS is ~~so~~ ~~low~~ ~~as~~ ~~it~~ ~~is~~ ~~now~~ ~~is~~ ~~it~~ ~~is~~ ~~only~~ ~~7000~~, though it ought to be ~~ten~~ ~~times~~ ~~higher~~ of why 7000 bravely courageous scientists, when it ought to be ~~ten~~ ~~times~~ ~~higher~~ <sup>may not seem to be</sup>.

We feel that our experience here is not much unlike what your demise for the Soviet Union <sup>in your case it is very different</sup> of what we had heard about also for Hittel. <sup>in your case it is very different</sup> But we did not believe that it could also happen here and that in America we would find no man with the courage of Sakharov and his family, who would stand up for us when persecution struck. However, since your letter indicates that



(for personal signature, of A. M. W. of Soc. or U.S. U.S.)

Dear Dr. Stone:

I received your letter and enclosures of January 20 regarding the protest by the FAS in the Kovalev case. Although I am in full concordance with your reaction, I hesitated to send my signature, ~~xxx~~ because I had already joined half of my fellow members of the Icelandic Academy (Societas Scientiarum Islandica) in a similar action <sup>which</sup> handed to the Soviet Ambassador to Reykjavik. However, since ~~the~~ <sup>the</sup> FAS protest is likely to be short of signatures because of ~~its~~ still shockingly limited membership, I enclose your envelope with my signature, in case you find it appropriate that my name then will be on two such papers. But since I am an Icelandic citizen despite my immigrant status here, I find it inappropriate ~~for me~~ also to write to the Soviet Ambassador to Washington, - and ~~my experience even~~ may indicate that such a letter might never reach him because of the skilled efficiency of the CIA to intersect letters from and to immigrants.

Naturally, I am in a strong agreement with the ~~program and~~ purposes of the FAS, although for some reasons I have not been aware of its existence until now. However, at present I cannot afford to join you even at the cheapest level, because of the results of a longtime and unbelievable witchhunt, supported by skilled combinations of conspiracy, slander, entrapment and you name it, which reminds a good deal of what you describe from the Soviet Union and we had heard about previously from Hitlerland - indirectly supported by the fact that none of our colleagues seem to dare to become involved by reacting as men, or, as Lloyd George once phrased it, we have experienced the truth of the fact that when discrimination strikes, even your friends turn chicken, at the same time as we found the correctness of the claim by Edmund Burke almost two centuries ago, that the only thing necessary for the triumph of evil is for good men to do nothing. <sup>the FAS is the best except that</sup>

Since "this cannot happen here", you may tend to think that this must be our imagination, though it looks real to me of course, but if you are interested in looking into an American case the correction of which might strengthen even your Russian protests, I believe that you might perhaps be able to get my complaint of a witchhunt confirmed by contacting the only two of our colleagues here who still dare to show us some limited friendship; however, to avoid scaring them, such a contact must be made through a phone call to their homes, without telling them the source of the information and with a clear promise not to get them more involved than they wish to become, because this is a place of an unusually large Pandora's box. The friends to be contacted are: Dr. William A. Weber, University Museum (home phone (xxx)- and Dr. Jack D. Ives, Institute of Arctic and Alpine Research (home phone (xxx)- but if you do anything, I also hope that you are careful in whatever you do so that you do not hurt us more than we have already been maimed, because those responsible in your country may become no less desperate than the Russian and German bigots when seeing that their covert actions are becoming open for honest scrutiny. <sup>or even those who may have made a mistake in history are, because I -</sup>

When our American dilemma has ~~been~~ <sup>been</sup> satisfactorily solved, so we can again afford to join our colleagues, the FAS will be the first society we become associated with. As active members and some who try to convince some of the more than quarter million chicken that they ought to join the only 6500 courageous members of the FAS so that it can most effectively support scientists at home and abroad against persecution, which still predominates even in the largest of so-called democracies. ~~Because~~ True democracy and real science can survive only where the majority participates actively and shows courage in ~~preventing~~ <sup>preventing</sup> all kinds of bigotry.

It is an old experience, not least from the oldest democracy into which I was born & brought up, that

oppression is not made except for the most god-pardoned misdeeds

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I am pleased to see that you act to help our Russian colleagues, but perhaps  
for personal reasons or for reasons of general experience I would have  
liked to see you fight as less strongly for the many requests of that  
minority <sup>mainly scientists</sup> who suffer discrimination & who are in this country  
and equally alienated.

I must apologize for the delayed sending of my signed  
for the Kovelov protest, it was caused by the fact when I  
got your letter I had just signed - similar paper that my  
colleagues of the Leningrad Academy (Sov. Sci. Acad.) wanted to  
present to the Soviet Ambassador to Leningrad. Since ~~colleagues are~~  
~~for their slow answering of letters,~~ I then wrote  
them again & asked if they objected to that I also sign  
such a paper here - and received their affirmative answer  
just now. I hope you have already sent the first list  
of signatures & that mine can be added to other  
later ones.

I have not known of about your Federation until now,  
but am very much in favour of its objectives, especially  
since I myself, as an immigrant (for personal reasons,  
e.g. what's what?) wish you for a voluntary socialist  
board member Paul Ehrlich of the <sup>Department of</sup>  
disease studies, without a cloak-and-dagger treatment  
of much the same character as you describe from  
the Soviet Union & I had heard of you Hitlerland,  
but was convinced that "I could not happen here".

---

I believe there is a case of a witchhunt against an immigrant  
susceptible to the Russian cloak-and-dagger games, although we thought  
this could not happen here. Perhaps you might feel that the  
FAS could help us when all others have turned chicken? A first check  
for phone to W.A.W. edd. might help you to decide if we are  
right or wrong -

---

You may be more interested in Russian abuses because they have a political outlet  
in the anti-propaganda here - but you would gain more strength by looking more  
closely at the situation at home, & by avoiding hunting the Russian.

Dear Dr. Steud:

Please, try to find an excuse for my too long delay in even acknowledging your letter regarding the FAS protest on the Cleveland case; my own excuse is simply that at about the same time I had been invited to join several of my fellow members of the Labor Academy (British Section - black) in a similar action to be sent through the Soviet Ambassador to Leningrad, and I waited until their enquiries at long last answered my letter of Feb 11 and that they did not find it disturbing. I also joined your protest, since I live as an immigrant <sup>(I'm afraid that, of who, who or what, who, who in France)</sup> and enclose you envelope with my signature which you may attach to your protest which I had not seen but trust will be carefully studied in order to help rather than hurt him, as such matters could also do harm among politicians. I hope you excuse that I find it inappropriate that I also should write directly to the Soviet Ambassador to the USA.

Naturally, I am in a strong agreement with the action and purposes of the FAS, although I have not seen any of its existence until now. However, at present I cannot afford to join even at the cheapest level, because of what we feel has been a long and increasingly unfair and arbitrary treatment, mainly by incompetent administrators in Boulder but at the end supported by similar ~~some~~ people at the Smithsonian. Since this certainly is a case that can't happen here, at least in my opinion until it happens to me, but now it seems to be one of a kind similar to what you describe from the Soviet Union and of what we have heard about from Hissland, I hesitate to say more for letters - since we had ~~to believe that we must~~ <sup>into that despite the knowledge of the FAS I could look carefully</sup> ~~to all for about but also inside the country~~ has been opened ~~since~~ <sup>open</sup> for our first days in ~~of this country~~ <sup>perhaps</sup> still, because we do not belong to the ~~country~~ <sup>country</sup> ~~and not~~ <sup>also</sup> ~~knows?~~ <sup>knows?</sup> But if you should be interested in having more about what one of our colleagues has called a "playground establishment," you may get the opinion of others before asking me closer, by contacting, preferably by phone and not by letter. The ~~two~~ <sup>one</sup> of our colleagues here whom we have ~~agreed~~ <sup>agreed</sup> ~~and~~ <sup>and</sup> ~~real~~ <sup>real</sup> ~~guthart,~~ <sup>guthart,</sup> ~~and~~ <sup>and</sup> ~~others~~ <sup>others</sup> toward ~~discovery~~ <sup>discovery</sup>.

Dr. J. D. Lee

Dr. W. A. Weber

~~It seems to me that the fact that the FAS has only 6500 members and that you have had more are properly chemists and physicists and why this is exhibiting environmental biologist, the great minds Durland and Ehrlich, seems to substitute in my experience that most of my colleagues toward ~~discovery~~ <sup>discovery</sup> ~~the~~ <sup>the</sup> ~~struggle~~ <sup>struggle</sup>.~~

But I trust that your FAS will be as interested in our case as it is in the Soviet matter, since our country is one of those states that are typical of the American universities of the position at the Smithsonian Institution who are already involved. It is a shame, feel that we ought to find out what is being done at the Smithsonian. I have been cleared up so far but I would like to know the situation in your journal.

x/

what we feel has been an

because of a long and increasingly unfair and arbitrary treatment, which ~~seems to~~ reminds of what you describe from the Soviet Union and of what we had previously heard <sup>from</sup> Hitler. Since I realized that a man's greatness can be measured in the number of those who study him <sup>and realized that this was the number of independent practitioners at a politically neutral school colleges</sup> as the Chinese say, I did not bother too much about this for years. But when a certain Smithsonian official who, I was told, had been a CIA agent at one ~~of~~ a business board came into the picture, it soon went out of hand <sup>and transformed into a witch hunt</sup> in efforts to prevent us from completing a research project for which we had contracted. I ended <sup>in that I was forced to resign from my Tenured position</sup> Needless to say, at no stage has ~~any~~ <sup>been</sup> ~~decision~~ <sup>judgments</sup> been ~~made~~ <sup>looked into</sup> by the old neutrality of an impartial judge; ~~but~~ I do not want to mention details because they could easily fill a Solzhenitsyn size and style book - and I do not want <sup>to write it</sup> to do <sup>as the old Soviet</sup> downgrade <sup>of the</sup> ~~the~~ <sup>program</sup> ~~double standard,~~ <sup>performance</sup> ~~miscarriage of justice, conspiracy, slander, entrapment~~ and you see it, that we have experienced ~~the~~ <sup>of the experience</sup> ~~the~~ <sup>at the</sup> ~~truth,~~ <sup>of the</sup> ~~expressed~~ <sup>of the</sup> ~~by the great~~ <sup>of the</sup> ~~Edmund Dresher~~ <sup>expressed it,</sup> ~~that the only thing~~ <sup>is</sup> ~~to do nothing,~~ <sup>to do</sup> ~~and~~ <sup>nothing</sup> ~~also~~ <sup>also</sup> ~~experiment~~ <sup>experiment</sup> ~~increasingly~~ <sup>increasingly</sup> ~~the~~ <sup>the</sup> ~~truth~~ <sup>truth</sup> ~~of~~ <sup>of</sup> ~~the~~ <sup>the</sup> ~~wrath~~ <sup>wrath</sup> ~~of~~ <sup>of</sup> ~~Abraham~~ <sup>Abraham</sup> ~~George,~~ <sup>George,</sup> ~~because~~ <sup>because</sup> ~~that~~ <sup>that</sup> ~~when~~ <sup>when</sup> ~~discrimination~~ <sup>discrimination</sup> ~~strikes,~~ <sup>strikes,</sup> ~~your~~ <sup>your</sup> ~~hands~~ <sup>hands</sup> ~~turn~~ <sup>turn</sup> ~~chicken.~~ <sup>chicken.</sup> And what a nation of chicken! The ~~only~~ <sup>only</sup> ~~6500~~ <sup>6500</sup> ~~members~~ <sup>members</sup> ~~of~~ <sup>of</sup> ~~the~~ <sup>the</sup> ~~FAS~~ <sup>FAS</sup> ~~may~~ <sup>may</sup> ~~be~~ <sup>be</sup> ~~the~~ <sup>the</sup> ~~exception~~ <sup>exception</sup> ~~for~~ <sup>for</sup> ~~this~~ <sup>this</sup> ~~rule:~~ <sup>rule:</sup> ~~it~~ <sup>it</sup> ~~may~~ <sup>may</sup> ~~be~~ <sup>be</sup> ~~significant~~ <sup>significant</sup> ~~for~~ <sup>for</sup> ~~my~~ <sup>my</sup> ~~experience~~ <sup>experience</sup> ~~that~~ <sup>that</sup> ~~most~~ <sup>most</sup> ~~of~~ <sup>of</sup> ~~your~~ <sup>your</sup> ~~board~~ <sup>board</sup> ~~members~~ <sup>members</sup> ~~are~~ <sup>are</sup> ~~chemists~~ <sup>chemists</sup> ~~and~~ <sup>and</sup> ~~physicists~~ <sup>physicists</sup> ~~and~~ <sup>and</sup> ~~that~~ <sup>that</sup> ~~why~~ <sup>why</sup> ~~two~~ <sup>two</sup> ~~are~~ <sup>are</sup> ~~environmental-evolutionary~~ <sup>environmental-evolutionary</sup> ~~biologists:~~ <sup>biologists:</sup> Berkeley and Ehrlich, both ~~great~~ <sup>great</sup> ~~and~~ <sup>and</sup> ~~independent~~ <sup>independent</sup> ~~minds.~~ <sup>minds.</sup>

I should have had in the  
 style for the book...

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by adding to international knowledge  
 of the many scandals it has

Dear Dr. Stone:

I received your letter and enclosure of January 20 regarding the protest action of the FAS in the Khrushchev case. Although in full concordance with your reaction, I hesitated to send my signature, because I had joined half of my fellow members of the Lullaby Academy (Scientia Scientiarum (Lullaby)) in a similar action of protests linked to the Soviet Ambassador to Washington. However, since the FAS protest is likely to be short of signatures, I enclose your envelope with my signature, in case you may find ~~it inappropriate~~ it appropriate that my name there will be - two single papers. But since I - as a Lullaby citizen - and only a ~~very~~ <sup>very</sup> ~~marginally~~ <sup>marginally</sup> ~~out~~ <sup>out</sup> ~~the~~ <sup>the</sup> ~~whole~~ <sup>whole</sup> ~~in~~ <sup>in</sup> ~~the~~ <sup>the</sup> ~~USA~~ <sup>USA</sup> - I find it inappropriate for me ~~to~~ <sup>to</sup> ~~write~~ <sup>write</sup> ~~to~~ <sup>to</sup> the Soviet Ambassador to Washington - ~~that~~ <sup>that</sup> ~~letter~~ <sup>letter</sup> ~~might~~ <sup>might</sup> ~~be~~ <sup>be</sup> ~~seen~~ <sup>seen</sup> ~~by~~ <sup>by</sup> ~~the~~ <sup>the</sup> ~~press~~ <sup>press</sup> ~~or~~ <sup>or</sup> ~~others~~ <sup>others</sup> ~~in~~ <sup>in</sup> ~~the~~ <sup>the</sup> ~~USA~~ <sup>USA</sup> ~~in~~ <sup>in</sup> ~~the~~ <sup>the</sup> ~~context~~ <sup>context</sup> ~~of~~ <sup>of</sup> ~~the~~ <sup>the</sup> ~~protest~~ <sup>protest</sup> ~~action~~ <sup>action</sup>.

I am in a strong agreement with the group of the FAS, though I have not seen ~~any~~ <sup>any</sup> ~~of~~ <sup>of</sup> ~~its~~ <sup>its</sup> ~~existence~~ <sup>existence</sup> ~~until~~ <sup>until</sup> ~~now~~ <sup>now</sup>. However, ~~at~~ <sup>at</sup> ~~present~~ <sup>present</sup> ~~I~~ <sup>I</sup> ~~cannot~~ <sup>cannot</sup> ~~afford~~ <sup>afford</sup> ~~to~~ <sup>to</sup> ~~join~~ <sup>join</sup> ~~you~~ <sup>you</sup> ~~because~~ <sup>because</sup> ~~of~~ <sup>of</sup> ~~the~~ <sup>the</sup> ~~results~~ <sup>results</sup> ~~of~~ <sup>of</sup> ~~the~~ <sup>the</sup> ~~circumstances~~ <sup>circumstances</sup> ~~surrounding~~ <sup>surrounding</sup> ~~it~~ <sup>it</sup> ~~and~~ <sup>and</sup> ~~because~~ <sup>because</sup> ~~of~~ <sup>of</sup> ~~the~~ <sup>the</sup> ~~fact~~ <sup>fact</sup> ~~that~~ <sup>that</sup> ~~in~~ <sup>in</sup> ~~the~~ <sup>the</sup> ~~past~~ <sup>past</sup> ~~there~~ <sup>there</sup> ~~has~~ <sup>has</sup> ~~been~~ <sup>been</sup> ~~a~~ <sup>a</sup> ~~good~~ <sup>good</sup> ~~deal~~ <sup>deal</sup> ~~of~~ <sup>of</sup> ~~what~~ <sup>what</sup> ~~you~~ <sup>you</sup> ~~desire~~ <sup>desire</sup> ~~for~~ <sup>for</sup> ~~the~~ <sup>the</sup> ~~Soviet~~ <sup>Soviet</sup> ~~Union~~ <sup>Union</sup> ~~and~~ <sup>and</sup> ~~we~~ <sup>we</sup> ~~have~~ <sup>have</sup> ~~previously~~ <sup>previously</sup> ~~for~~ <sup>for</sup> ~~titulated~~ <sup>titulated</sup> - indirectly suggested by the fact that none of our colleagues ~~is~~ <sup>is</sup> ~~seen~~ <sup>seen</sup> ~~to~~ <sup>to</sup> ~~have~~ <sup>have</sup> ~~been~~ <sup>been</sup> ~~involved~~ <sup>involved</sup> - or, ~~at~~ <sup>at</sup> ~~least~~ <sup>least</sup> ~~George~~ <sup>George</sup> ~~planned~~ <sup>planned</sup> ~~it~~ <sup>it</sup>, ~~we~~ <sup>we</sup> ~~have~~ <sup>have</sup> ~~seen~~ <sup>seen</sup> ~~that~~ <sup>that</sup> ~~experiment~~ <sup>experiment</sup> ~~that~~ <sup>that</sup> ~~when~~ <sup>when</sup> ~~discrimination~~ <sup>discrimination</sup> ~~strikes~~ <sup>strikes</sup>, ~~it~~ <sup>it</sup> ~~can~~ <sup>can</sup> ~~only~~ <sup>only</sup> ~~bring~~ <sup>bring</sup> ~~down~~ <sup>down</sup> ~~the~~ <sup>the</sup> ~~curtain~~ <sup>curtain</sup>, ~~and~~ <sup>and</sup> ~~at~~ <sup>at</sup> ~~the~~ <sup>the</sup> ~~same~~ <sup>same</sup> ~~time~~ <sup>time</sup> ~~as~~ <sup>as</sup> ~~we~~ <sup>we</sup> ~~have~~ <sup>have</sup> ~~found~~ <sup>found</sup> ~~the~~ <sup>the</sup> ~~correction~~ <sup>correction</sup> ~~of~~ <sup>of</sup> ~~the~~ <sup>the</sup> ~~door~~ <sup>door</sup> ~~by~~ <sup>by</sup> ~~Edward~~ <sup>Edward</sup> ~~Douglas~~ <sup>Douglas</sup>, ~~that~~ <sup>that</sup> ~~the~~ <sup>the</sup> ~~only~~ <sup>only</sup> ~~thing~~ <sup>thing</sup> ~~necessary~~ <sup>necessary</sup> ~~for~~ <sup>for</sup> ~~the~~ <sup>the</sup> ~~triumph~~ <sup>triumph</sup> ~~of~~ <sup>of</sup> ~~oil~~ <sup>oil</sup> ~~is~~ <sup>is</sup> ~~for~~ <sup>for</sup> ~~good~~ <sup>good</sup> ~~men~~ <sup>men</sup> ~~to~~ <sup>to</sup> ~~do~~ <sup>do</sup> ~~nothing~~ <sup>nothing</sup>.

~~Since this is a very delicate matter, I do not think it wise to think that this may be my imagination, though it looks real to me, but if you are interested in looking into a case the correction of which might strengthen our own American protests, you might perhaps be able to get my complaint of a withdrawal confirmed by contacting the only two of our colleagues here, who still dare to show us <sup>friendship</sup> ~~friendship~~ <sup>handshake</sup> ~~handshake~~ <sup>to</sup> ~~avoid~~ <sup>avoid</sup> ~~seeing~~ <sup>seeing</sup> ~~them~~ <sup>them</sup>, ~~such~~ <sup>such</sup> ~~a~~ <sup>a</sup> ~~contact~~ <sup>contact</sup> ~~must~~ <sup>must</sup> ~~be~~ <sup>be</sup> ~~made~~ <sup>made</sup> ~~for~~ <sup>for</sup> ~~them~~ <sup>them</sup> ~~to~~ <sup>to</sup> ~~their~~ <sup>their</sup> ~~benefit~~ <sup>benefit</sup> ~~and~~ <sup>and</sup> ~~without~~ <sup>without</sup> ~~telling~~ <sup>telling</sup> ~~them~~ <sup>them</sup> ~~for~~ <sup>for</sup> ~~what~~ <sup>what</sup> ~~you~~ <sup>you</sup> ~~get~~ <sup>get</sup> ~~their~~ <sup>their</sup> ~~names~~ <sup>names</sup> ~~and~~ <sup>and</sup> ~~proving~~ <sup>proving</sup> ~~them~~ <sup>them</sup> ~~not~~ <sup>not</sup> ~~to~~ <sup>to</sup> ~~force~~ <sup>force</sup> ~~them~~ <sup>them</sup> ~~into~~ <sup>into</sup> ~~the~~ <sup>the</sup> ~~service~~ <sup>service</sup> ~~of~~ <sup>of</sup> ~~the~~ <sup>the</sup> ~~USSR~~ <sup>USSR</sup> ~~except~~ <sup>except</sup> ~~with~~ <sup>with</sup> ~~their~~ <sup>their</sup> ~~permission~~ <sup>permission</sup> - Dr. Wilbur A. Weber, the Chairman here (see page ... ) and Dr. Jack D. Lee of the Institute (see page ...).~~

But if you do anything, I hope you also are careful in not hurting us more than we have already been harmed, because those responsible may seem as desperate as the Russian and Chinese agents when seeing that their ~~own~~ <sup>own</sup> ~~secret~~ <sup>secret</sup> ~~action~~ <sup>action</sup> ~~has~~ <sup>has</sup> ~~been~~ <sup>been</sup> ~~seen~~ <sup>seen</sup> ~~up~~ <sup>up</sup> ~~to~~ <sup>to</sup> ~~some~~ <sup>some</sup> ~~servants~~ <sup>servants</sup>.

When our American dilemma has been satisfactorily solved, so we again are offered to join our colleagues, the FAS will be the first ~~to~~ <sup>to</sup> ~~be~~ <sup>be</sup> ~~invited~~ <sup>invited</sup> ~~to~~ <sup>to</sup> ~~be~~ <sup>be</sup> ~~involved~~ <sup>involved</sup> ~~with~~ <sup>with</sup>. As active members we see who try to convince one of the more than gentle million children that they ought to join the only 6500 courageous members of the FAS so that it can most effectively support ~~the~~ <sup>the</sup> ~~scientists~~ <sup>scientists</sup> ~~it~~ <sup>it</sup> ~~has~~ <sup>has</sup> ~~and~~ <sup>and</sup> ~~stand~~ <sup>stand</sup> ~~up~~ <sup>up</sup> ~~against~~ <sup>against</sup> ~~the~~ <sup>the</sup> ~~persecution~~ <sup>persecution</sup>, which still predominates ~~in~~ <sup>in</sup> ~~the~~ <sup>the</sup> ~~largest~~ <sup>largest</sup> ~~of~~ <sup>of</sup> ~~social~~ <sup>social</sup> ~~democracies~~ <sup>democracies</sup>. Because true democracy and real science is a service only where the majority ~~participates~~ <sup>participates</sup> ~~actively~~ <sup>actively</sup> ~~participates~~ <sup>participates</sup>.

Dear Dr. Stone:

I have received your letter & enclosures of January 20 connected with the protest action of the FAS in the case of the Soviet biologist Korolev. I am in full concordance with this, but have been hesitant to send my signature ~~for the following two reasons: First, it would be a duplicate because it would duplicate my~~ because I have already joined one of my fellow members of the Labeled Academy of Sciences & Letters (Vishchepilyshchinye, Societas Scientiarum Labeles) in a similar action of protest headed to the Soviet Ambassador to Labeled. ~~However, in case you do not think that such a duplicate may be~~ I believe one 20 of the 60 members of the Academy signed that protest, if the Russians make the objection we always like to make ~~in~~ which would which would be equivalent to 20,000 more - your petition! Nevertheless, since I realize that you will never get that much participation - this century of chicken that do not dare to become involved - when ~~the~~ ~~the~~ ~~the~~ their neighbor is being mistreated, so that every ~~one~~ ~~most~~ ~~some~~ ~~cases~~, I am enclosing your envelope with my signature with a promise to use it if you so feel. However, I am not writing to the Soviet Ambassador to Washington, for the obvious reason that the challenge in Washington has decided my opinion ~~is that I myself~~ & because I am an immigrant & Labeled citizen.

I am sorry that I have not known about the FAS previously, probably because you are too little aggressive inside America & do not send out enough propaganda to the perhaps greater million scientists who ~~would~~ ~~ought~~ ~~to~~ ~~join~~, in their own interest in this century ~~of~~ ~~less~~ ~~suppression~~ ~~than~~ ~~you~~ ~~will~~ ~~like~~ ~~to~~ ~~believe~~. Everybody knows, & almost everybody ignores, the past & present treatments of Indians, Negroes & Mexicans, but few realize how discrimination acts on immigrants, although many have heard the names of Joseph Holtzman, & Sacco & Vanzetti. ~~It is a pity that~~ ~~of~~ ~~the~~ ~~discovery~~ ~~that~~ ~~immigrants~~ ~~who~~ ~~had~~ ~~to~~ ~~have~~ ~~more~~ ~~liberal~~ ~~views~~ ~~than~~ ~~the~~ ~~methods~~ ~~in~~ ~~this~~ ~~lot~~ ~~of~~ ~~immigrant~~ ~~propaganda~~ ~~is~~ ~~not~~ ~~that~~ ~~they~~ ~~might~~ ~~scientists~~ ~~have~~ ~~experienced~~ ~~discrimination~~ ~~in~~ ~~living~~ ~~salaries~~ ~~research~~ ~~posting~~ ~~etc.~~ ~~but~~ ~~fortunately~~ ~~why~~ ~~a~~ ~~few~~ ~~have~~ ~~been~~ ~~so~~ ~~mistreated~~ ~~with~~ ~~intellectuals~~ ~~as~~ ~~I~~ ~~feel~~ ~~I~~ ~~have~~ ~~seen~~ ~~and~~ ~~am~~ ~~asking~~ ~~with~~ ~~a~~ ~~convicted~~ ~~effort~~ ~~by~~ ~~unwise~~ ~~administrators~~ ~~of~~ ~~the~~ ~~U.S.~~ ~~and~~ ~~the~~ ~~Enthusiasm~~ ~~to~~ ~~prevent~~ ~~me~~ ~~from~~ ~~writing~~ ~~and~~ ~~even~~ ~~living~~ ~~in~~ ~~a~~ ~~style~~ ~~not~~ ~~for~~ ~~you~~ ~~what~~ ~~you~~ ~~deserve~~ ~~from~~ ~~Russia~~ ~~and~~ ~~in~~ ~~the~~ ~~land~~ ~~about~~ ~~for~~ ~~colleagues~~ ~~who~~ ~~lived~~ ~~in~~ ~~distress~~. It would certainly wonder you support to an Soviet colleague if our friends in that country know about our American experience, but it might strengthen your efforts considerably if you could look into our case & quite correct what is unbelievable there.



a book describing furniture, double standard, —  
in the kind of sketches

If I wrote even a short story of our story, it would fill several pages,  
I since I could not do this without ~~not~~ putting down matters, that  
could hurt others if they got into wrong hands, ~~and~~ which is easy in a  
country ~~which has a free press~~ ~~where~~ where certain people have  
read my mail for all the years I have been here, ~~and~~ without my  
or any other's permission, I have a reason to be careful.

Claimed that I had deprogrammed the government — but who deprogrammed it by  
doing everything to prevent me from developing completely what I had promised?

~~Think~~ Think of what you describe, in your Public Interest Report for Dec. 1975,  
that has happened to our Soviet colleagues has happened to us here, so perhaps  
all the talk about deprogrammed is ~~both~~ right, is equally empty — both sides?  
Hopefully not — but we still need to see.

Not instead of the help to our Soviet colleagues, because that helps most countries,  
but side by side with it the one ~~we~~ needs to be open to help people,  
who are similarly treated here, not least ~~we~~ need for small nations,  
which ~~has~~ been ~~abused~~ ~~at~~ ~~an~~ ~~un~~ ~~reasonable~~ ~~level~~ ~~of~~ ~~de~~ ~~human~~ ~~rights~~ ~~violation~~.

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The only thing necessary for the triumph of evil is for good men  
= chicken make evil acts possible, in chicken lines fashion.

To do nothing  
Edmond Burke (1793)  
/ 1794: The cold neutrality  
of an ingratiate judge

150.000 in A.M. & W. of S.  
20.000 in Whis Whis  
by 6500 not chicken in FAS?

I think you ought to know — that any signature is also —  
— protest that some members of the Int. Ac. have not to the Soviet ambassador  
in Rangoon — but ~~they~~ I doubt that they will know that it is also.  
— your paper, since I hope ? — can accept it also.

Yours  
a

In America I have never met the cold neutrality of an ingratiate judge ~~but close to~~  
~~the~~ the well-known western rule: let us give him — fair trial of his kind as other  
immigrants before me: Jack Hillstrom, Sacco & Vanzetti, perhaps the Rosenberg, and many others.

Although I have taught courses in various fields of botany  
 and cytogenetics and published on research ~~teaching~~ <sup>papers</sup>  
~~physiology, taxonomy, phytogeography~~ on many <sup>aspects</sup> of  
 botany and cytogenetics, I believe my expertise is best in  
 chromosome cytology and its application to evolutionary taxonomy and  
~~in~~ ~~evolutionary~~ phytogeography, arctic-alpine botany,  
 and, perhaps mainly, in experimental taxonomy and cytogenetics.  
 Veg. hybridization, cell wall, cytogenetics.

~~I~~ I find it difficult to select ~~just~~ <sup>at least</sup> ~~the~~ <sup>entire</sup> ~~names~~ <sup>academic</sup>  
 of ~~my~~ colleagues who could review my <sup>scientific</sup> qualifications,  
 but would like to mention the ~~following~~ <sup>following</sup> for  
 America: Vera Grant, Bill Weber, Norm Pennell, Bernard Davis,  
 Arthur Cronquist, Willis C. Steere. <sup>or for elsewhere:</sup>

Müntzing, Donington, S. O. Sorenson, Peter, Tutin. I trust  
 that you can select <sup>from</sup> these names or <sup>also feel free to</sup> contact

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all of whom ~~we~~ know we well and are qualified <sup>to give you an unbiased judgment</sup> to judge ~~me~~  
 as a person, scientist, ~~and~~ teacher

Since this can't happen here, I may be imagining that we <sup>are my</sup> <sup>colleagues</sup> <sup>and</sup> <sup>colleagues</sup> <sup>at</sup> <sup>least</sup>  
~~we~~ <sup>although</sup> the results look <sup>as</sup> <sup>good</sup> <sup>to</sup> <sup>us</sup> <sup>as</sup> <sup>they</sup> <sup>do</sup>  
 to our Russian colleagues; ~~but~~ <sup>on</sup> <sup>one</sup> <sup>of</sup> <sup>you</sup> <sup>feel</sup>  
 you ought to look into this, perhaps the first step might  
 be to contact <sup>perhaps</sup> Dr. W. A. W. of the U. S. <sup>Department</sup> <sup>of</sup> <sup>Agriculture</sup>  
 to see if ~~he~~ <sup>he</sup> also ~~believes~~ <sup>believes</sup> this. <sup>or</sup> <sup>perhaps</sup>  
 if he does, then perhaps ~~to~~ <sup>do</sup> <sup>for</sup> <sup>us</sup> <sup>what</sup>  
 you are trying to do for the Russians.

I am hoping to see that our colleagues in chemistry and physics and related sciences  
 show the courage to stand up and protest against unfair treatments of our colleagues abroad,  
 because we have found that there are fields close to ours where there are <sup>discrepancies</sup>  
 strikes, as though George were phoned it. But ~~perhaps~~ <sup>perhaps</sup> <sup>real</sup> <sup>to</sup> <sup>contact</sup> <sup>mechanical</sup> <sup>sciences</sup>  
 geographers, geologists and others are not in your list of sponsors for other reasons and that you need  
 help to make up lists to contact them - and then will get those wholehearted reaction? I doubt it.

perhaps because I do not check the way of justice in their handling of language -

Kovler:

If he is out-staying or working as a scientist does not matter, because his human rights are the same - and he is apparently considerably more human than any of our colleagues in this country, who turn children when they see similar treatment of their colleagues. I suppose you yet remember that he is a cell biologist or molecular biologist, an approach that in the Soviet Union does not yet get the preferential treatment given to these approaches in America, for the simple and same reason that the Russians understand, that all kinds of biology are equally important for the production of food and guarantee of health of the population. However, even this should not matter when his human rights are concerned. Perhaps Kovler also is a Jew, which puts him in a category in the Soviet that is similar to that of the Negro and Mexican in America but above that of the immigrant from small countries, because the Jews, in Russia and here, ~~are~~ wield considerable power because of their organization and admirable solidarity, the lack of which here is the main cause of the ~~United States~~ <sup>United States</sup> ~~is~~ <sup>is</sup> a lawless country of lawyers. However, even that is no reason to deprive him of his human rights, if these have actually been violated in one way or another. All this, nevertheless, may lead to the conclusion, that ~~when~~ <sup>when</sup> ~~such~~ a protest against the treatment he has suffered must be carefully phrased and suggested equally strongly by equal proportions of non-Jewish scientists and especially by those representing other fields of study, at the same time an effort must be made to look into more effective methods of suggesting him and others ~~frustrated~~ so treated in the Soviet Union - and no less to give this protest a strength - in America, because although a "thin crust" <sup>has</sup> <sup>been</sup> <sup>laid</sup> <sup>over</sup> <sup>it</sup> <sup>constantly</sup> <sup>beggers</sup> it is covered up through indifference of those who do not want to know or who are afraid to open up the Pandora's box that must be opened everywhere.

This happens here more frequently than we want to admit, we do this in Russia with immigrants, who get no help for the children.

~~...~~  
Bij- en liden o bij- Federatoy Amie Scintists &  
rasale ~~je wite~~ je kininthe it- wakkert, en hestiken te  
y Suthen samindent i, en y je itwogel, & hestiken  
nt di in lippatoy ygeu mi: it jeen & wt- hee foor weg.

---

Alke dypat - leit -

Uurilla: tel. it wesen. it- voo Bantostrom it, & witeken it. FAS.

I would think that you are interested in clearing up Ayman's stipules that are hunting  
or colleagues in the Soviet Union - but are you also interested in similar cases of Redwishes here?

I believe ours is a case of flagrant witchhunt, spurred by all the  
classical ingredients, as ~~the~~ immorality, shabby, miscarriage of justice, dissemination,  
entrapment & you need it, even with the help of foreign diplomats of  
the CIA

I would appreciate it if you could help me without hunting me more  
and without forcing me to break my promises & hurt others

It is my opinion that our ~~small~~ <sup>advisory</sup> ~~great~~ <sup>independent</sup> ~~controlling~~ <sup>(biologists) (breeders)</sup>  
in this country <sup>tell the</sup> ~~are~~ <sup>for one</sup> ~~not~~ <sup>unmistakable</sup> ~~check~~ <sup>reason</sup> ~~is~~ <sup>that</sup> ~~they~~ <sup>probably</sup> ~~because~~ <sup>they</sup> ~~feel~~ <sup>increasing</sup> ~~insecure~~ <sup>about</sup>  
~~that~~ <sup>the</sup> ~~reason~~ <sup>for</sup> ~~this~~ <sup>is</sup> ~~that~~ <sup>it</sup> ~~is~~ <sup>perhaps</sup> ~~not~~ <sup>controlling</sup> ~~that~~  
they are conspicuous by their absence from your board of officers, with ~~two~~ <sup>two</sup>  
controlling exceptions: <sup>let</sup> ~~Douglas~~ <sup>be</sup> ~~Shubert~~ <sup>of</sup> ~~or~~ <sup>light</sup>  
<sup>through various court actions</sup>

and at last found me into an entrapment that made it possible to  
~~discredit~~ <sup>me</sup> and ~~degrade~~ <sup>me</sup> of my facilities and ~~services~~ <sup>scholarship</sup>  
~~my~~ <sup>only</sup> ~~way~~ <sup>out</sup> of the entrapment if I did not want to

break my promises and hurt others, a couple of students whom  
I have had to ~~protect~~ <sup>protect</sup> ~~the~~ <sup>values</sup>, in my opinion, and ~~harmless~~ <sup>harmless</sup>  
colleagues who I believed were tricked by ~~of~~ <sup>of</sup> my hunters.

My opinion is not in a brother like those by <sup>biologists</sup> ~~and~~ <sup>other</sup> ~~British~~ <sup>academicians</sup>, but since  
Amin remains the hope of my dream, despite a tragedy... I prefer not to hunt it in that way...

Do you ever acknowledge this letter or do anything with it? (That's)  
I hope you can discuss it with one of your wise and courageous  
colleagues, ~~through~~ <sup>for</sup> fellow FAS members, though none for  
Douglas if any, at the... I.A.W.2 - -

And then proceed carefully so that neither we or hunt men  
then already has been done, the institutions involved <sup>but</sup> ~~is~~ <sup>little</sup>  
as possible for the mistakes of their administrators, at all least  
as quietly as possible to avoid hunting the foreigners involved  
or the ~~foreign~~ <sup>diplomatic</sup> service.

A low-key point <sup>to</sup> ~~the~~ <sup>to</sup> ~~be~~ <sup>the</sup> ~~made~~ <sup>to</sup>  
the ~~in~~ <sup>in</sup> ~~the~~ <sup>the</sup> ~~case~~ <sup>of</sup> ~~of~~ <sup>500</sup> ~~members~~ <sup>members</sup> - should be 65000.

But, please be careful so you do not ~~lose~~ <sup>lose</sup> the  
that you will not ~~lose~~ <sup>lose</sup> the ~~except~~ <sup>except</sup>  
at some time that you will not ~~lose~~ <sup>lose</sup> the ~~except~~ <sup>except</sup>  
at their request and with their consent, because

because this is - my master with  
as far as I am concerned and do.  
Because I am a strict  
adherent to the Desert Brown and Gold Rule  
perhaps that it is good to justify, left to justify  
- if you can explain it for other reasons.

Douglas is with Ayman at the Redwishes box of double-dipped <sup>members</sup> of those and so on.





But before you decide upon any contacts or actions,  
you could perhaps find preliminary background information  
about these two colleagues in the American Botanical Society  
of Service, if they are not already known to you as  
supporters of the FAS, and about me either in  
that sense or in Who's Who in America.

Although I am not sending you my signature for  
the support of Dr. Howland, for the reasons above, I  
am unable to send financial support for you. For the  
time being for the reasons above for the  
reason above, I would like to support ~~you~~ very  
firmly you ~~with~~ help to your colleagues wherever  
they are unjustly treated" and to work strongly <sup>with</sup> to get  
and the many children and colleagues have  
to identify the signature of joining ~~you with~~  
your actions and becoming active contributors to the fight for  
security ~~in the~~ for dignity <sup>a permanent</sup> by the American <sup>community</sup>  
scientific community with Botanical Documentation  
as we live in fear and under the stress of  
discrimination, an active contribution will have  
to be restricted to, e.g. contacting <sup>by letters</sup> <sup>pro-quest</sup>  
members of the FAS. In my opinion <sup>such an</sup> <sup>association</sup>  
to secure the strongest watchdog against dignity <sup>and persecution</sup>  
the scientific fields, at least as less the <sup>abroad</sup>,  
so that ~~the~~ true democracy, justice, ~~and~~ justice will not  
be made to become empty words ~~to those who require to~~  
could guess or

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persecution



- - Because of a situation that deprived us of a solution of justice, justly or increasingly dignifying us because it is interpreted or understood.

I am also the impression that I have been studied & treated by a dark standard ~~set~~ in a witchhunt by aid of a conspiracy & entrapment - which I refused to fight so that I would not hurt ~~the~~ certain others, with the result that I was forced to resign my tenured position. ~~without~~ ~~that~~ I may be wrong in assuming ~~the~~ that I have been incorrectly treated, <sup>because that does not happen here</sup> although the laws under which I was brought up would seem to support ~~this~~ <sup>my interpretation</sup>, but I do not want to hurt those who hurt me or to hurt the country which was my dream <sup>until</sup> ~~that~~ its own sons turned <sup>it</sup> into a nightmare. My so-called friends & colleagues were ~~turned~~ <sup>changed</sup> into children by influence from the one administrator who I believe hurt me, but I had not tried to force those few, who showed me the same courage as ~~Schubert~~ Schubert etc. have shown their Roman colleagues, to make my investigation or my beliefs, ~~at~~ <sup>since</sup> two academic institutions are involved, but I do not want to hurt them as Solgenstein did his country, for the single reason that I am a strong believer in Robert Browning's words - good to forgive, best to forget - & not on the eye-for-eye rule. But I may be wrong in indirectly hurting others ~~in~~ ~~allowing~~ ~~this~~ ~~to~~ ~~happen~~ & our scientific progress in doing this, <sup>as</sup> <sup>is</sup> <sup>clearly</sup> <sup>shown</sup> <sup>by</sup> <sup>the</sup> <sup>fact</sup> <sup>that</sup> <sup>the</sup> <sup>only</sup> <sup>complex</sup> <sup>matter</sup> <sup>that</sup> <sup>is</sup> <sup>at</sup> <sup>issue</sup> <sup>is</sup> <sup>so</sup> <sup>far</sup> <sup>as</sup> <sup>I</sup> <sup>may</sup> <sup>be</sup> <sup>misunderstanding</sup> <sup>myself</sup>?

As a first step, perhaps I could suggest that you contact by telephone my friends here, Dr. W.A.W. & Dr. J.D.I. & ask them about their opinion, though keeping in mind that especially the latter is in a difficult situation because ~~the~~ ~~administrator~~ his good institute has depended greatly upon the assistance from the one administrator, whom I feel was the primary motor in the witchhunt against me - of this there is not my imagination. But an such a contact must be made carefully in the situation of a <sup>✓</sup> Paulson's box of the kind of the University of Colorado & the institute in Washington involved, so that neither will be hurt more or ~~that~~ ~~in~~ ~~the~~ ~~case~~ ~~of~~ ~~certain~~ ~~foreigners~~ ~~who~~ ~~we~~ ~~believe~~ ~~were~~ ~~entrapped~~ ~~to~~ ~~do~~ ~~certain~~ ~~things~~ ~~by~~ ~~American~~ ~~officials~~, & the CIA, & some so-called ~~ambassadors~~ <sup>ambassadors</sup>.

I have seen no solid evidence here but many children perhaps the former were in the FBI but certainly none from Boulder.



<sup>invited</sup>

to destroy -- through the most flagrant charges.

---

I would like to see Me to help you to strengthen the FAS considerably by adding much to its membership, although my own experience tells me that the great majority of our American colleagues ~~who~~ are divided who do not dare to become involved when discrimination strikes their colleagues -- but the FAS (and the children) need the others because only a strong association is able to withstand fascism in whatever form it comes.

---

It is not in my interest to hurt America, although our Americans have hurt me, my ethics differs much from that of Subhasan and Subhasan who ask for a foreign help that hurts their country --

I have long had very good relations with Panam botanists, for the simple reason that we share interest in exotic plants; my wife knows Panam reasonably well and I can read Spanish texts slowly; thanks to this we have probably the largest personal library of Panam books — the rarities in America. ~~\_\_\_\_\_~~ We soon discovered that the CIA knew that we had Panam contacts, although only recently did we understand that their interest in ~~our~~ this caused them to read our letters — we did not think such was possible except in war times ~~in~~ ~~actually~~ a so-called democracy — but is America not a police state?

---

I have long had very good relations with Panam botanists, ~~for~~ because we share interest in exotic plants; ~~but~~ although they are useful in their writing letters, there we have not had confidence wholly owing to our suspicions of their system, and the same we have learnt from Vladimir Arkhangy, the Panam-Soviet Kachin pioneer, and from a couple of former Kachin exiles to Moscow whom we know very closely.



Being an immigrant scientist, still not a citizen of the United States,  
I do not think it would be appropriate that I write to the Soviet Embassy  
as you suggest. Although I have the feeling that this action might  
hurt ~~the~~ our Russian colleagues more than it will help him, exactly as a  
similar action might do in this country of CIA & police dragnet,  
I want to be grateful to be allowed to sign your protest. But  
I am sorry that at present I am unable to support you financially  
or to join you formally because of ~~the~~ suffering from a long and  
intense watchlist, ~~some that~~ ~~is~~ ~~it~~ ~~has~~ ~~been~~ ~~connected~~ ~~with~~  
~~unhappy~~ ~~events~~.  
which is not begun here, although I hope even  
your publication will show its strength in looking into that and other similar  
Russian cases with no less intensity than when it makes protests  
against blows below the belt in the Soviet Union. That would strengthen  
the ~~total~~ action considerably.

Darker standard, personal jealousy, injustice, miscarriage of justice,  
corruption, ~~Podolski's~~ ~~big~~ ~~the~~ ~~discrimination~~ ~~to~~ ~~compare~~ ~~with~~ ~~unhappy~~ ~~events~~,  
children that shout to those — the other side of the fence —

all least our best scientists

An immigrant who has had his Russian dream shattered by  
a long watchlist expelled by  
of the kind that ~~to~~ ~~be~~ ~~have~~ ~~been~~ ~~typical~~ ~~of~~ ~~the~~ ~~Soviet~~  
dictatorship Soviet & that but thought it could not  
happen here — but it does. Therefore

gradually  
FAS needs to be strengthened as an international watchdog against political  
or other abuses of scientists, but its international effectiveness would increase  
exponentially if it can demonstrate effectiveness in helping scientists at home  
— it is for us I have experienced those who need protection against  
the Soviets who now are afraid of the organized negroes, Mexicans and women  
some of whom <sup>are</sup> ~~will~~ ~~years~~, are the immigrant scientists, who were some under  
laws very different from the lawyers' rulings, have that they do not understand, ~~at~~ ~~these~~  
cost although without this ingratiate knowledge, American science would be weak.

## AAAS Human Rights Activities

Three letters to the editor (15 July, p. 216; 12 Aug., p. 604) have commented on the human rights activities of the AAAS. As chairman of the subcommittee of the AAAS Committee on Scientific Freedom and Responsibility, which is responsible for developing guidelines in this area, I have discussed with the AAAS staff the philosophy which guides our concerns, and we have prepared the following statement.

This philosophy stems in large part from our strong belief that the AAAS, as well as its affiliated societies, have an important role to play in responding to government restrictions that interfere with the work of scientists and engineers. That role also includes responding to reports of irresponsible scientific behavior that violates the human rights of others, such as medical participation in torture or the involuntary hospitalization of individuals for political rather than genuine medical reasons. Our subcommittee is particularly concerned with the problems of foreign scientists, and we have learned about the harassment and imprisonment of scientists in many countries, including the Soviet Union, Argentina, El Salvador, Chile, Uruguay, Pakistan, and the Philippines. We initially struggled with the task of defining an appropriate role for professional groups in responding to the flagrant violations of the human rights of scientists and others in these countries. Should we focus solely upon those violations that significantly and directly stem from the professional activities of the victim, or should we include all human rights violations under the scope of our review? Should we concentrate our efforts only on a few cases of the better-known scientists in the hope of achieving some effective change in their personal situation, or should we examine a wide range of cases, recognizing the strains this task would place on our limited time and staff resources?

These are not easy decisions, and we have not formulated a precise response to the task that confronts us. We have been greatly assisted by the thoughts of John Ziman (1), Robert Kates (2), and others who have established a philosophical foundation supporting the human rights work of professional groups. We have sponsored symposia at the AAAS annual meetings to encourage public discussions and attention to these questions. We have worked closely with Amnesty International, the United Nations

Commission on Human Rights, and other public and private organizations whose sole mission is to attempt to reduce human rights violations throughout the world, both in order to inform ourselves about their work and to define for ourselves a role that would not duplicate their efforts.

The charge to our committee from the AAAS Board and Council states that the creation of the committee "marks a very significant as well as a potentially controversial role for the Association." We see our mission as one of collecting information about cases in which scientists and engineers experience serious violation of their basic human rights. We do not attempt to determine whether such violation occurred as a result of the scientist's professional or personal activities. For us, the result is the same: a colleague is in serious trouble, and the circumstances of his or her situation violate standards embodied in international law.

We do not pretend to argue that scientists are more deserving of human rights protection than others. We work on behalf of scientists because we share a professional identity with them and because we feel that they are often targeted for repression due to their professional visibility. This is not to say that they are more sensitive to political oppression or more conspicuous and outspoken, and for that reason likely to be targeted for harassment or persecution. Scientists share their discoveries and views with a community that is international. They pose a threat to totalitarian regimes because their criticisms may be heard worldwide (3).

Some of the cases that come to our attention are sent by individuals who studied with the victim; others are forwarded by former teachers or by scientists who attend a professional meeting in another country and learn that another participant was imprisoned without charge or trial. As members of a professional group, we are often in a position to learn quickly about circumstances that might take months to come to the attention of appropriate officials through bureaucratic channels. We see our role as one of expediting this process: summarizing the details of a case as best we can, forwarding it to the appropriate national and international officials who may be in a position to take positive action and, if necessary, publicizing the case for the education of our colleagues and others so that they too may assist in seeking remedies.

From time to time we will urge the AAAS governing bodies to express seri-

ous concern about particular cases. For example, at the last AAAS annual meeting in Detroit, the Council adopted our committee's recommendation urging that special efforts be made by the AAAS on behalf of 11 individual scholars from the countries of El Salvador, Pakistan, Philippines, Poland, the Soviet Union, and Uruguay. These scholars were selected for special action because they are all experiencing serious health difficulties during their imprisonment or repression.

The letter from J. Layon and M. A. Collins (15 July, p. 216) urges the AAAS to do more to encourage speaking out about government abuses in El Salvador. It might be worth calling attention to the recommendations of the report of the medical mission sent to El Salvador by the AAAS and several other scientific and medical associations (4). The report's findings state that "the weight of the evidence clearly suggests that certain elements within the [Salvadoran] government and its security forces were directly responsible for" the disappearance in 1982 of 11 of the cases of health workers investigated by the mission delegates. The report called on the Salvadoran government to honor its obligations under international humanitarian and human rights agreements by ending the practice of torture and by allowing doctors and health personnel to provide relief to the civilian population without intimidation.

The work of professional organizations in the human rights area must clearly go beyond assessing blame. In addition to performing a fact-finding role, the AAAS works with its affiliates and other professional groups to bring effective aid to victims of repression. The El Salvador report, for example, encourages medical and scientific organizations to assist in providing basic teaching materials and equipment to help rebuild the National University School of Medicine in that country. In recent months several U.S. medical institutions and individuals have responded with donations of medical supplies, books, and subscriptions to journals. A complete burn unit is now on its way to El Salvador from a donor in Michigan. We recognize that these efforts are grossly insufficient and that additional aid is needed. We have officially questioned, and some of us on the committee strongly oppose, the Reagan Administration's policy of sending military doctors as a way to provide medical aid to Salvadoran civilians. More appropriate would be allocating funds to the International Committee of the Red Cross and other religious and humanitar-

instead

We have received more reviews that show malice rather than leavening, which may be noticed on the light of the fact that what we have ~~been~~ proposed might force certain groups to hesitate to contrast existing classification with the one favored as has been done during the past few decades. However, of all those ~~self~~ self-appointed reviewers, an English gentleman, a term used hesitantly in the light of what will be related below, has gone farther ~~into~~ away from common decency than others, so that we feel forced to try to ~~retract~~ counter, ~~although~~ it is against our inclination to take part in ~~discussions~~ ~~of~~ ~~that~~ ~~character~~, but there must be a limit for decency ~~to~~ ~~an~~ ~~invest~~ ~~scientists~~ ~~cannot~~ ~~be~~ ~~drawn~~ ~~on~~ ~~for~~ ~~scientific~~ ~~reviews~~.

25

Dishonest & unprofessional conduct - conspiracy -

Did not show the decency of only me a copy of this deeply malicious slander so I have been unaware of it until now. But that does not preclude a request that the ~~the~~ administration of the prodigious British Museum look to that a proper & published apology be made, since such an incident must inevitably cast a serious shadow on the ~~qualification~~ ~~professional~~ ~~qualifications~~ of one of its ~~the~~ ~~ingest~~ ~~staff~~ ~~members~~ & thus on the entire institution itself.

On basis of the present evidence, I am in no doubt that the reputation that Mr. Leamy enjoys as a petriologist is grossly overrated & ~~cannot~~ ~~is~~ ~~not~~ ~~affected~~ ~~by~~ the fact that scientists everywhere are convinced that the British Museum employs only the cream of English scientists, ~~at~~ ~~no~~ ~~body~~ ~~and~~ ~~that~~ ~~no~~ ~~body~~ ~~who~~ ~~demonstrates~~ ~~incompetence~~ ~~combined~~ ~~with~~ ~~malice~~ ~~can~~ ~~be~~ ~~allowed~~ ~~to~~ ~~continue~~ ~~to~~ ~~represent~~ ~~any~~ ~~of~~ ~~its~~ ~~fields~~.

I am used to peculiar ways of arriving at judgments ~~of~~ ~~by~~ various classes ~~of~~ ~~people~~ ~~which~~ ~~have~~ ~~been~~ ~~made~~ ~~in~~ ~~the~~ ~~past~~ ~~decades~~ ~~in~~ ~~America~~, and may well ~~be~~ ~~met~~ ~~by~~ ~~deeply~~ ~~malicious~~ ~~but~~ ~~incompetent~~ ~~people~~ ~~who~~ ~~have~~ ~~been~~ ~~appointed~~ ~~to~~ ~~review~~ ~~my~~ ~~work~~ ~~in~~ ~~so~~ ~~called~~ ~~reviews~~. That is understandable when you represent a higher & different kind of learning & culture - conservative schooling. But when ~~at~~ I received a malicious slander of this kind from Britain, which I always have looked up to as the bastille of honesty & progressivity in science & humanities, I cannot let it go unprotected, especially since there seems to be a good reason to believe that an incompetent ingester has been able to dominate a ~~the~~ branch of British science for the institution that the world regards as the greatest in its fields. Therefore this letter.

~~I believe Mr. Leamy~~

From my knowledge of British scientific bureaucracy I have a reason to believe that the publication of his review has been authorized by his superiors so the institution itself is responsible for the slander. I do not believe that ~~any~~ a superior really qualified to judge ~~me~~ has ever imagined that a proper check of the details was warranted. Be that as it may, but I expect you to agree that this is a case in which the Museum administration cannot see to that as full restoration as possible of one reputation will be made in an attempt to ~~reconcile~~ ~~and~~ ~~respected~~ ~~trained~~ ~~panel~~ ~~that~~ ~~the~~ ~~misconduct~~ ~~of~~ ~~the~~ ~~laboratory~~ ~~be~~ ~~officially~~ ~~settled~~ ~~and~~ ~~corrected~~ ~~and~~ ~~that~~ ~~the~~ ~~administration~~ ~~take~~ ~~steps~~ ~~to~~ ~~prevent~~ ~~the~~ ~~offer~~ ~~in~~ ~~question~~ ~~to~~ ~~be~~ ~~repeated~~ ~~with~~ ~~a~~ ~~misleading~~ ~~statement~~.



He may be in his democratic rights of having opinions on scientific matters even far outside his own competence, but I dare to doubt that these rights include ingenuity for malicious personal attacks of which this "review" is the most blatant case that I have experienced.

The reviewer of the publisher that reviewer advise him - the publication of manuscripts as faulty as he says, one must have seen, though his own for an appropriate "review" clearly has not been so judged by anybody competent and devoid of malice. I - in no doubt that he feels that he would have been the perfect judge for such an action, though I dare to question if he could be regarded as one peer in any respect. And if he had seen anything of Darwin I dared, he certainly would have scolded with Wilkesforce I tried to prevent the publication of one of the greatest works of world science that he clearly disagrees with in least but ~~not in language~~ though lacking courage to admit it, he certainly would have been ready to advise against the publication of Darwin's works as a whole & that of any book too great for little minds. That would not increase the progress of science than does his too long dominance in an essential position at the British Museum.

Boulton's discrimination against migrants: students (China)

Did nothing except to help in the covering in the murder of Bich.

But they were worse: covering for others, without law or order or rights...

Corrupt official (and professor) at Boulder of the institution (university), supported by others of irregular social backgrounds in complicity and planning.

It is difficult to continue to get by today when you corrupt practices have to persist.

Particular cases - American students.

Also the law is in other countries. Absolute degree given, covering, no other

Students' role in names of others:

cf. same PR, Nov. 17, 1971, pp. 679-

by course in of the early 70s students put me down enough to be members of the FAS. <sup>actually really of justice extraction</sup> Believe? Frankness? humbleness?

~~China~~

China CIA representative in operation at CU: a large - and Holloway or Holloway

CU bureaucracy decided, not academic staff or ours. See it both ways.

Boulton's discussion against migrants: Stuhler (Germ)

Did nothing except to help in the covering in the murder of Rich.

But they were worse & covering for others, without law or order or rights...

Corrupt official (and professor) at Dundee at the birth of the (company), suggested by choice of management needed for reasons in agreement and policy.

It is difficult to continue to play bridge when you corruptly get on to police.

Partners in business - American Stables.

Above the law - in other lawless. Alcohol, doggie games, covering, No other

Secretive, see the names of others:  
of 22 June 1948, Nov. 17, 1948, pp. 679-

actually many of foreign extraction

By contrast one of the early Food Scientists, perhaps more courageous enough to be members of the FAS. Barlowe, "Franklin's" humiliated.

~~Franklin~~

Chief CIA representative or representative at CU: a large amount Holloway & Holloway

CU document decided, not academic stuff - goes. See it elsewhere.

leagues were able to collect tissue slides from more than 80 percent of those cases, which they proceeded to evaluate to see whether their opinions about the size and nature of the cancers matched those that were on the record. They paid particular attention to cancers reported to be found by mammography alone; that is, tumors not detected by manual examination (palpation) of the breasts.

What the Thomas group discovered was that a fair number of tumors 2 cm or larger in size were missed the first time around by both mammography and physical examination. For example, 41 percent of women with tumors 2 cm or larger had negative mammograms. Furthermore, there were 19 tumors listed in HIP data as being found by "mammography alone" that turned out to be relatively large—3 cm or more. Inasmuch as every woman who had mammography also had palpation, Thomas concludes that "It is difficult to understand how or why these could have been missed on clinical examination." Thus, the Thomas group decided that those 19 cases said more about the skills of the examining physician than they did about the virtues of mammography and deleted them from the "mammography alone" category. Taking all things into account, the group concluded that the original inferences about the benefits of mammography drawn from the HIP were overblown. However, Thomas emphasizes the fact that the HIP study never was designed to separate the value of mammography from clinical examination and says that, were new data to show that mammography really can pick up very early infiltrating cancer, he would be ready to change his mind about its value in screening.

The arguments against mammography screening appear to be based on cool scientific logic. Those for it often seem to be intuitive and come from physicians and surgeons whose daily business is the treatment of breast cancer. They maintain, though they do not have the hard data to prove it, that they are finding cancer earlier than ever before, that they, therefore, can offer women less mutilating surgery than is necessary for advanced cancer; and that—in the end—they are prolonging lives.

The fact of the matter in this terribly difficult case is that there is no objective way to say who is right. Radiobiologist Upton calls this a "paradigm of the kinds of problems we're facing on the uses of technology versus social costs." Neither the HIP study nor the NCI-ACS screening project were designed to answer important questions about the benefits of mammography, or how often it should be used, or on what group of women. NCI is under considerable pressure now to initiate such a study—or possibly studies—to find out. Acting Director Newell supports that idea, saying "We really have to get some clean data on this, which probably means we'll have to start some completely new controlled clinical trials."

Brian E. Henderson, an epidemiologist at the University of Southern California at Los Angeles, who was a member of the NCI's epidemiology-biostatistics working group, strongly endorses Newell's view. "I think we should use mammography as little as possible until we learn how to use it," Henderson says, adding that for screening purposes he thinks it should be used "only in controlled clinical trials—even for women over 50."

The justification given for screening women over 50 is that they are more likely to get breast cancer than younger women, and that, because of changes that occur in breast tissue after menopause, it is easier to get a good picture of their breasts than it is in younger women with denser, more hormonally active breast tissue. In addition, Upton reports that there are some data suggesting that a woman's risk from radiation exposure decreases with age. If that is so, women over 50 are less likely to get breast cancer from the x-rays of mammography. On the other hand, Henderson points out that there are data that indicate a synergistic effect between radiation and hormones. Inasmuch as many women over 50 take estrogens, thereby approximating in some ways the hormonal status of a younger woman, there may be an argument against mammography in at least that group of older women.

The upshot is that the situation is extraordinarily confusing. It seems that there is no evidence that is clear-cut, and the answer to the "should she or shouldn't she" have a mammogram question is that nobody knows for sure. Given the present state of affairs, the NCI's position seems eminently sensible.

The resolution of the controversy is not in sight. But the next chapter will be written in September when Donald S. Fredrickson hosts what is euphemistically being called a "consensus" meeting on mammography. Among other things to be decided then is the question of whether the NCI, with or without the ACS, should embark on controlled trials, the results of which would be a decade in coming.—BARBARA J. CULLITON

## Smithsonian: "The Nation's Attic" Undergoing New Federal Scrutiny

These are trying times for the Smithsonian Institution. It is being pecked at by the *Washington Post*, poked into by the General Accounting Office (GAO), grilled in Congress and—the latest insult—has received Senator Proxmire's Golden Fleece Award of the month for allegedly worthless government projects (in this case, a Tzotzil dictionary).

Criticism has been directed both at the

allegedly cavalier modus operandi of the secretary of the Smithsonian, patrician ornithologist S. Dillon Ripley, and at the way the institution handles its funds, 87 percent of which are supplied by the federal government.

There have been no formal accusations of illegality or impropriety in the Smithsonian's operations. Yet the cloud of question marks has prompted the in-

stitution's own Board of Regents to propose contracting for an independent study in order to clear the air. The GAO study continues.

As a semipublic, semiprivate organization, the Smithsonian has an unusual relationship to the federal government. It has always enjoyed considerably more flexibility in the use of its money than have federal agencies. In the past year or so concerns have been raised in Congress about the commingling of public and private funds; about whether the Smithsonian is relying too much on its own discretion in acquisition and disposition of properties that receive federal money; and about the nature of two private corporations administered by the Smithsonian.

## Cover story

## Peer review can kill unusual but promising ideas

REVIEW, from Page 1C  
small."

Biologist Margulis of Boston University argues that if scientists are "too original, too outside, too different... they're just not going to be counted. Whether they're right or not, they're going to be ignored."

Gold, recently retired from Cornell University, said: "It's like religion: Heresy is thought of as a bad thing, whereas in science it should be just the opposite."

Daniel Koshland, editor of *Science*, the nation's leading scientific journal, strongly defended the peer review process. But he added, "I think it's fair to say that a new idea, something that confronts existing dogma, has an uphill road — but not an impossible road."

In the view of many critics, this tendency has far-reaching effects.

"The quality of science depends on innovation," said sociologist Edward Hackett of Rensselaer Polytechnic Institute. His research has found cases where scientists suppressed innovations in order to produce grant proposals that were more likely to be accepted.

Indeed, significant technological and scientific progress of recent years has come from outside the peer-reviewed realm of academic science or government-supported research. One of the greatest technical developments of the last decade — the personal computer — was largely originated by two college dropouts, Apple Computer's Steven Jobs and Stephen Wozniak, working independently.

And one of the greatest basic scientific discoveries of recent years — high-temperature superconductors — was spurred by experiments at a commercial laboratory, where researchers were pur-

suing a line of research that may have been too risky and unpredictable ever to make it through peer review.

The peer-review process is simple: A research report, grant proposal or request for time at a research center is sent to respected scientists in that specialty. Usually at least two are consulted, and sometimes as many as 10. Often, at least one of the reviewers is picked from a list submitted by the appli-

cant, and usually at least one other is picked independently by the agency staff or the publication's editors. The reviewers, who are unpaid, usually submit a detailed critique along with a recommendation.

Research has found cases where scientists suppressed innovations in order to produce grant proposals that were more likely to be accepted.

Foundation, the agency charged with dispensing most government funding for basic research.

The competition there is intense, with an overall acceptance rate of about 30 percent of all proposals submitted. In some fields, the rate is as low as 10 percent.

In 1970, biologist Margulis was not only denied funding but subjected to intense scorn by reviewers at the foundation. The theory for which she was denied funding then — that cells evolved through a symbiotic union of primitive organisms — has now become dogma, cited as fact in recent textbooks.

"I was flatly turned down," Margulis said, and the grants officer said "that I should never apply again."

In an interview, NSF Director Erich Bloch agreed that "the peer-review process sometimes doesn't let the risky proposal get

recommended for publication." Mahoney's findings struck a nerve. Within three months after he presented his results last year, he said, he "received probably 200 to 300 letters and phone calls from scientists who felt they had been victims of that kind of discrimination."

Most scientists are dependent on grant-giving agencies and foundations. And for many of them, the first stop is the National Science

Foundation, the agency charged with dispensing most government funding for basic research. The competition there is intense, with an overall acceptance rate of about 30 percent of all proposals submitted. In some fields, the rate is as low as 10 percent.

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"I was flatly turned down," Margulis said, and the grants officer said "that I should never apply again."

In an interview, NSF Director Erich Bloch agreed that "the peer-review process sometimes doesn't let the risky proposal get

through. I'm concerned about that." He added, however, that grant decisions are in the hands of 150 individual program officers, each of whom has his or her own views.

University of Chicago paleontologist David M. Raup says efforts to reduce the federal deficit have contributed to the problem. "Ten years ago the federal government had more ability to take risks, and therefore they were able to gamble on young people and screwy ideas. With Gramm-Rudman and budget cutbacks, funding agencies are sort of retreating to sure things."

One problem with peer review is that, especially in a time of limited funds, the "peers" in any field are also competitors for grants. Said astronomer Burbidge, "As the competition for funds gets more and more severe, people think, put most crassly, 'If I knock this, then there's more funding for me.'"

Some scientists worry the situation will get even worse, with the advent of ever-larger national research facilities, such as the Superconducting Supercollider and the Space Telescope, for whose use there is likely to be fierce competition.

Howard Gobstein, an expert in science, technology and public policy who recently worked on a major study of the peer-review system for the General Accounting Office, the investigative arm of Congress, said that while peer-review bias has been widely recognized, "many people admit we are still groping to figure out what to do about it."

One attempt to address the problem is a new system at the National Science Foundation that allows directors of some of its divisions to

make discretionary grants — up to 10 percent of the division's total budget — for "high risk" proposals, without the formality of peer review by scientists outside the agency.

The agency is currently evaluating the success of this program and is considering extending it to all divisions. It is described as a way of stimulating "innovative and exceptional proposals" that have a high risk of failure but also the potential for making significant contributions if they succeed.

But the program is still just a drop in the bucket. While the foundation awards about 8,000 research grants per year, only about 30 have been awarded so far under the new program, foundation director Erich Bloch said. And presently, the program applies only to engineering grants, which Margulis said are inherently lower-risk than those in areas such as biology.

In addition to this formal system, Bloch said he has encouraged all 150 foundation program officers to take risks. "The program officer doesn't have to follow the peer-review recommendation. If he thinks it's too conservative, he can overturn it," he said. But, he admitted, "It doesn't happen that often."

Another suggestion is to consider adopting other countries' procedures.

One common practice is the awarding of grant money on the basis of an individual scientist's past performance, rather than on the basis of a specific proposal. As astronomer Gold put it, "One should take people by their track records. If I've worked in a field for a while, I know more about it than any referee to whom it is

sent. If scientists have done good work then we should trust them just on their record."

Others say such a system raises problems of its own. Sociologist Patricia Wolf of Princeton, for example, said, "If you take material from people just because they are established you could be accused of hero worship." Even well-established scientists can sometimes have ideas that are not worthy of serious research, she said.

To address the problem of peers denigrating the work of competitors, the trade newspaper the Scientist recently suggested that peer reviewing be made international.

The paper's European editor, Bernard Dixon, cited a Finnish experiment in which grant proposals from that nation were reviewed by a British team. The assessments were unusually frank and objective. "Is there not a principle here that should be enshrined in all peer review?" he wrote. "After all, no one relishes the discomfort of receiving really trenchant criticism from the laboratory next door."

Another, perhaps more practical, way of addressing the same problems, some scientists suggest, is for peer-review to be multidisciplinary, or at least to include some review by scientists outside the immediate specialty involved.

Whatever system is used, the Sigma Xi chapter's report suggested, "the important thing is to circulate new ideas."

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and Isaac Newton.

"It will really be the first time anybody has made a serious attempt at high-precision calculations over long distances of the gravitational constant," says team leader Mark Ander, a

geophysicist at the Los Alamos National Laboratory in New Mexico.

The force is thought to be one-hundredth the strength of gravity.

"Any variation would imply the existence of something new — some new natural force hitherto unseen."

Scientists today recognize four basic forces that govern all matter in

the universe: gravity; electromagnetism; a "weak force" that causes some forms of radioactivity, and a "strong force" that holds together the nuclei of atoms.

But last year, scientists at Purdue University suggested the existence of a fifth force that, unlike gravity, repels objects. They based their revolutionary idea on slight but significant discrepancies in a classic gravity experiment, which measures the Earth's gravitational pull on different materials such as wood, metal and even suet.

The so-called fifth force is thought to be only one-hundredth the strength of gravity, which is the weakest of the known forces in the universe.

If it does exist, the fifth force may be so subtle that its effects are infinitesimal. But at distances of 1,000 feet or less, it might be strong enough to measurably affect gravity, perhaps causing objects of different mass to fall at different speeds, in direct contravention of a fundamental tenet of physics.

Scientists at Princeton University and the University of California contend that the idea of a fifth force has no more substance than the breeze.

They say the discrepancies that intrigue the Purdue physicists may be the result of faint air currents caused by subtle temperature variations.

The Greenland experiment may provide the last word in the controversy.

"There is a great argument going on in physics today as to whether such a force could exist," Ander says.

"We are not trying to get embroiled in that battle. Our intent is to do the most careful

See *FORCE*, Page 3C



## Creativity quashed 'Peer review' can kill a maverick's bright ideas

By David L. Chandler  
Boston Globe

**A**STRONOMER Halton C. Arp, described by colleagues as one of the world's best observers, was barred from major observatories when he came up with a radical theory about mysterious objects in space called quasars.

Thomas Gold, a distinguished astronomer who had a novel theory about pulsars and neutron stars, was denied the right to speak at an important scientific meeting.

Lynn Margulis, a biologist whose theories on how living cells evolved are now universally accepted, was turned down repeatedly for research funds and told never to apply again.

These were not perpetrators of scientific fraud, nor were they scientists whose credentials or abilities were in question. Their only crime — for which they were sentenced to work without

funding or facilities or denied the opportunity to communicate with their peers — was that they disagreed with the scientific mainstream.

Historians and philosophers of science agree that much of the progress of science stems from such challenges.

Yet a growing body of research, and the experiences of a number of prominent scientists, indicate that the way science is governed and funded in the United States today systematically, if unintentionally, thwarts the work of such mavericks.

Recognizing the importance of scientific progress, many researchers are beginning to examine seriously how the business of science works and how it might be improved.

At the heart of the issue is the process called peer review — the scientific equivalent of the jury system — which is usually decisive in determining who gets research grants, who gets to use major research facilities and whose

work gets published in scientific journals.

"Peer review works against the really creative people who come along with new proposals that go against the mainstream," said astronomer Geoffrey Burbidge, former director of Kitt Peak National Observatory.

Peer review enjoys overwhelming support: In a recent survey of 4,000 of its members, the national science research society Sigma Xi found that 86 percent favored the use of peer review. The process is seen as a quality-control system that prevents the waste of time and money on ideas that are trivial or without merit.

But the same survey found that 67.5 percent of its members agreed that in government agencies that use peer review, "the chance of any non-mainstream proposals being funded is very

See *REVIEW*, Page 2C

Chuck Waltmire — Mercury News

## Why does the mockingbird mock?

By Sarah Rabkin

serves to keep away competitors for food

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## Academic Freedom Under Pressure

**No Ivory Tower.** McCarthyism and the Universities. ELLEN W. SCHRECKER. Oxford University Press, New York, 1986. x, 437 pp. \$20.95.

"McCarthyism" is a generic term. In this valuable account of American universities from the 1930's to the mid-1950's Ellen Schrecker, a lecturer in history at Princeton University and the New School, uses it broadly to describe the academy's eviction of suspected Communists from its midst, in collaboration with the red hunt being waged by state and federal agencies and in violation of its hallowed canon of academic freedom. The necessity of squaring the principle of academic freedom with the practice of repression (for never did the academy cease to uphold the principle) provides a central element of tension in this book. Schrecker's contribution is not so much to have added another piece to the picture of the national phenomenon we call McCarthyism as it is to have raised anew questions about the character and conduct of the American university, particularly under conditions of stress.

The sources for this subject are diffuse and often fugitive. Schrecker was able to draw upon a large, albeit uneven, body of secondary literature on American Communism, anti-Communism, and McCarthyism in its various guises. The primary sources were harder to come by: the American Association of University Professors only opened its archives when her manuscript was in its final stages; universities were "haphazard" in granting access to their records (p. 350); and it took the combined skills of "journalist," "detective," and "pest" (p. 343) to locate individuals, correspondence, minutes, transcripts, and other memorabilia for a subject about which reticence persists. Oral history was an invaluable aid; Schrecker identifies by name 138 people she interviewed (others, she says, requested anonymity) and cites 28 interviews conducted by others (for example at the American Institute of Physics and the Columbia University Oral History Research Office). When the record for an important subject is incomplete, as, for example, it is about the blacklist, Schrecker reluctantly and responsibly draws conclusions from inference and speculation. This book is informed by a very clear judgment: for the academic world to have succumbed to anti-Communism and purged its ranks of suspects, particularly during the

McCarthy years, represented an abdication of principle and a failure of nerve. But it is not a judgmental book; its aim is to describe and explain an important chapter in American academic history.

Schrecker does not attempt a survey of American colleges and universities to determine systematically the number and kinds of institutions that committed abuses of academic freedom; she moves back from the academic freedom cases to the institutions where they occurred. In this respect the book lacks methodological rigor; yet it makes a compelling case for the ubiquity of abuses and the variety of institutions in which they took place. About 100 individuals lost their jobs in the campus purges; there is reason to believe that this number would be much larger if we could count the untenured faculty who were dismissed simply by not being rehired; and we never will know how many people lived in dread of being fired if their past political associations and activity became known.

The activity in question was membership in the Communist Party, during the 1930's and 1940's. Schrecker describes academic Communists as "neither dupes nor conspirators" but serious men and women drawn to the party through the trauma of the Depression, the rise of fascism, and the Spanish Civil War. "They did not let the Party interfere with their academic work and, in fact, consciously strove to keep their political activities separate from their scholarly ones. . . they did not proselytize in class or try to subvert their universities" (pp. 61-62). The American academy never welcomed left-wing radicals, but Schrecker points out that it did not go after even known Communists on the faculty until outside pressure to do so became intense. Then there was a two-stage process, by which suspects first were identified by legislative committees and then were fired by their institutions. By the time the purges were at their peak, around 1953-54, the American Communist Party had long since lost its effectiveness and appeal, there was no organized political activity on campus, and most academics had left the party by breaking with it or by drifting away. But by then the view of the Communist Party as a conspiratorial organization, under the Soviet Union's thumb and requiring that its members engage in subterfuge and deceit, appeared to render Communists morally

and professionally unfit to teach, and the academic community was caught up in the nationwide inquisition to ferret out the hidden enemy.

The story is grim. Communists were not in the majority of cases allowed to speak on college campuses. No institution would hire a known or suspected Communist, and college presidents made it clear that academic freedom would not protect the jobs of individuals who belonged to the Party. To retain their jobs those who were called before congressional investigating committees on suspicion of being Communists had to prove themselves innocent (use of the Fifth Amendment right against self-incrimination was for a long time treated as evidence of guilt), and they frequently were under constraint by their institutions to inform on others. Not only were academics being victimized by their institutions for what they might have done in the past, they sometimes were fired because of what they might do in the future—that is, refuse to become informers. This was such a bizarre perversion of academic personnel procedures that administrators used subterfuge to accomplish it, for example giving bureaucratic or personality reasons for the termination of employment. Here Schrecker makes a cogent observation: administrators, she says, engaged in "furtive behavior" at precisely the time "they were imposing an obligation of candor upon the rest of the academic community." This contradiction "suggests how seriously the nation's colleges and universities had been compromised by their collaboration with McCarthyism" (p. 266). Fired professors were unable to find other university positions in the United States; the evidence for a blacklist is intangible but suggestive) and had to improvise to earn a living until the witch-hunt abated, in the late 1950's. By then, ruined lives and a badly compromised academic community were testimony to McCarthyism's toll.

This summary should not be taken to suggest that Schrecker has painted a monochromatic picture by building a case on generalization. To the contrary, her description of academic institutions' responses to outside assaults on their members includes full and fair accounts of differences within and among them. When it comes to explaining what she so well describes, however, she is less successful.

Schrecker correctly perceives that institutional loyalty crippled the will and capacity of faculty and administrators to defend individual rights, but she does not take this observation far enough. She blames faculty and administrators, "who could have, had they wanted to, prevented much of what happened," for reacting to outside pressure



in ways that would best "protect or enhance their school's reputation." This, she concludes, rendered academic freedom "an essentially corporate protection" (pp. 11, 23). The real dilemma McCarthyism created for the academy and the real conflict it provoked in individuals need more serious consideration. As the institutional home of the higher learning, the university provides and protects the conditions necessary for scholar-teachers to work. For that reason institutional autonomy is as essential to academic freedom as individual rights. The American university always has had an uncertain and uneasy relationship with society. The McCarthyite attack on the academy presented a real Catch 22: it appeared necessary to sacrifice individuals to protect institutions that were necessary to protect individuals. In the 1960's when the university no longer was perceived as the protector of humane values, for several of its constituencies institutional loyalty collapsed.

Schrecker is particularly concerned about the failure of faculty to stand up for their colleagues. Among her explanations for that failure are agreement with the verdict of the firings; persistent "gentlemanliness," which made professors reluctant to attack presidents; belief that it was more effective to work behind the scenes; fear of getting fired; and the AAUP's abysmal failure "to perform its expected function," which, she says, "contributed as much, if not more, to the inability of the nation's college teachers to protect their colleagues as the shortcomings of individual professors and faculties" (p. 315). Schrecker's description of "bureaucratic torpor" at the AAUP, particularly under the last years of Ralph Hinnefeld's general secretaryship, makes a real contribution to knowledge. But her observation that AAUP censure, when it finally did come, proved to be little more than an "irksome annoyance," undercuts her charge that the organization bears a central responsibility for what happened.

At bottom, "most of the men and women who participated in or condoned the firing of their controversial colleagues did so because they sincerely believed that what they were doing was in the nation's interest" (p. 340). If it is so that the academic community really believed that national security was at stake in the search for subversives, we need look no further for explanations of why it collaborated with McCarthyism. The episode is as much a reflection of credulity and provincialism in the American academy as it is of faint-hearted commitment to principle.

CAROL S. GRUBER  
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## Physics of the Early Universe

**Inner Space/Outer Space.** The Interface between Cosmology and Particle Physics. EDWARD W. KOHLER *et al.*, Eds. University of Chicago Press, Chicago, 1986. xii, 638 pp., illus. \$55; paper, \$25. Theoretical Astrophysics. From a conference, Batavia, IL, May 1984.

In 1958-60, when I was a graduate student, the big news in cosmology was the measurement by William Baum and Rudolph Minkowski of record high galaxy redshifts,  $z = 0.3$  to  $0.46$ . ( $1+z$  is the ratio of observed to emitted wavelength of a feature in the spectrum of the light from a distant object. At  $z \ll 1$ ,  $z$  is proportional to the distance of the object. In conventional cosmological models,  $1+z$  is also the factor by which the universe has expanded since the time of emission, so  $z$  can be used to label an epoch in the early universe.) Now measurements of galaxy redshifts at  $z = 0.5$  are, if not routine, at least commonly done, and there is a rich web of data to  $z = 4$  from observations of absorption by material along the lines of sight to quasars. We have learned that we are in a smooth bath of radiation with a blackbody (statistical equilibrium) spectrum at a temperature of  $2.76 \pm 0.02$  K. Since no one has been able to think of a way radiation with this spectrum could have been produced in the universe as it is now, this is generally thought to be tangible evidence that the universe expanded from a hot, dense state where radiation could have relaxed to statistical equilibrium. If we trace the expansion of the universe further back in time to a redshift  $z \approx 10^4$ , when the temperature of the heat bath would have been  $T = 10^{10}$  K  $\approx 10^8$  eV, we find neutrons and protons reacting to form light elements up to lithium in amounts that agree with the observed abundances in the oldest stars. This is evidence that we understand the outlines of the behavior of the universe when it was just 1 second old, a remarkable accomplishment indeed.

On extrapolating still further back in time we are led to consider a phase transition prior to which neutrons and protons were decomposed into their parts, an almost free gas of quarks; an earlier transition that may have fixed the baryon number density out of entropy; and a transition that may have produced the entropy of the heat bath out of a high-energy state of the vacuum. This vacuum energy would have driven the universe to inflate through an enormous expansion factor that obliterated all traces of past imperfections, including perhaps a time when space behaved as though it had more dimensions than the three we know or even

dissolved into a quantum space-time foam. Other phase transitions may have left topological defects: magnetic monopoles that would be readily detectable if they were present now in sufficient numbers; massive domain walls that would seriously distort space if too abundant; and massive cosmic strings that act like magnetic flux tubes in a superconductor or like vortex lines in the rotation of superfluid helium and that may have been responsible for the formation of galaxies and clusters of galaxies. And all this may have been accomplished by the creation and annihilation of a host of particles that have not been observed, including perhaps some that survived to make up the dark matter needed to account for the observations of dynamics on the scale of galaxies and larger.

All this heady stuff, and not lacking in a substantial dose of public relations puffery, but still it is based on a clear and pressing need and opportunity. We know enough about the physics of the universe now and at modest redshifts to be confident that we can extrapolate its expansion back in time to a state whose physics we know we do not understand. The expansion of the universe carries the 2.76 K heat bath we observe back in time to enormous values of the energy density in the heat bath, and, with what is believed to be the appropriate equation of state, to energies per particle that are vastly larger than anything available in the present universe. For example, the Fermilab TeV I collider produces proton-antiproton collisions at  $2 \times 10^{12}$  eV, and the proposed Superconducting Super Collider accelerator would reach collision energies of  $4 \times 10^{13}$  eV. The most energetic cosmic ray events (thought to be protons) have energy seven orders of magnitude higher than that, at about  $10^{20}$  eV. But the Planck epoch in the early universe would have had characteristic energy another eight orders of magnitude beyond that. Thus it seems that if we are to understand the early universe we will have to borrow the expertise of particle physicists, and if we are to push research in high-energy particle physics beyond the limits of what can be reached on Earth we will have to rely on the "ultimate accelerator" of the universe.

There have been many conferences and workshops on this proposed symbiosis of cosmology and particle physics, and inevitably, many published proceedings. This book is among the best of the lot. The conference brought together a fair sample of the people working on the subject and produced 90 interesting papers covering all the main topics. The editors have helped us by providing thoughtful commentaries. If you follow developments in the physics of the early

Author slams the 'publish or perish' phenomenon

# Burying academia under a mountain of paper

By Jonathan Yardley

**T**HE MAIL has brought a document that should be astonishing but that is, in the climate of contemporary American higher education, all too depressingly commonplace. It is the program for an "Anne Tyler Symposium" last month in Baltimore. It is an unwitting parody of the literary life as it is lived these days in English departments.

That Anne Tyler is one of our outstanding novelists is beyond dispute; her work is — or in due time will be — deserving of serious study. But she is also a writer at mid-career; to subject her now to scrutiny comparable to that accorded, say, Lord Byron or James Joyce is, to put it charitably, premature.

Yet the conference brought together academics from a number of obscure universities, who came bearing titles such as these: "The Mean Between Extremes: The Role of the Mother-in-Law in Anne Tyler's Fiction," "Anne Tyler's Artists' Ways of Coping: Pathos and Comedy in the Journeys of Ezra, Macon and Maggie," "Dancing Out of Sync: Missed Connections in the Novels of Anne Tyler," "Something Out of Nothing: Creative Crazies in the Fiction of Anne Tyler" and "Macon Leary: A Character in Search of His Anima."

The temptation to make fun of these papers and, by extension, those who delivered them, is well-nigh irresistible, but resist it I shall. For all its self-parodic aspects, this symposium is so much part and parcel of contemporary academic life — in almost all departments, not merely those connected to literature — that it must be viewed as symptomatic rather than freakish. For what the Tyler symposium and all such gatherings are truly about is not the study of literature, or anything else, but the pursuit of academic careers; and it is upon papers such as these that careers are built.

## Obscure and original papers

The titles of those papers may seem to the outsider obscure and pedantic, as in fact they are, but they fulfill what academic life demands: They are, within the narrowest imaginable definition of the word, "original." It is a word discussed to great effect by Charles J. Sykes in a stupendously provocative and entertaining book called "Prof-Scam: Professors and the Demise of Higher Education" (Regnery Gateway, 250 pp., \$18.95), in which he writes: "No matter what an individual's capacities or talents, the academic culture demands that every professor and would-be professor produce research that is 'original,' breaking previously uncharted ground. Unfortunately, originality is no more commonplace among academics than among any other sector of the population. But the requirement in the universities today is universal and en-



Geoffrey Moss

forced without exception or appeal."

The key, as Sykes puts it, "is originality, whether that originality is applied to an incredibly narrow sliver of knowledge and whether it has the slightest importance or interest for anyone other than the author." Thus it is that candidates for English doctorates, rather than being required to display their comprehension of Shakespeare and Milton, are expected to produce "original" research in their dissertations.

Never mind that, as Sykes puts it, "few academics bother to read much of what passes for scholarship these days, even as the number of journals continues to mount."

What matters is that the work be done and that, however obscure, it be "original." This being the case, who can blame the professors or would-be professors who, trying to carve out careers for themselves, seek out subjects as yet undiscovered by other professors and appropriate these subjects unto themselves?

Sykes quotes J. Scott Armstrong of the University of Pennsylvania's Wharton School, who "conducted his own

analysis of academic writing and concluded that professors who wish to be published in the academic press must: (1) not pick an important problem, (2) not challenge existing beliefs, (3) not obtain surprising results, (4) not use simple methods, (5) not provide full disclosure of methodology, sources and findings, and (6) not write clearly."

This is the true oddity: Though academic convention requires "originality" of subject matter and interpretation, it has little or no room for anything that is genuinely original or inventive. In Sykes' scathing critique, nothing is more devastating than his depiction of the conformity that is imposed by the "brutal socialization processes" of the graduate schools and "professors in the promotion process." Sykes writes:

"No matter what image they might present to the outside world, an ingrained sycophancy is at the heart of the professors' culture. No peasant furiously tugging at his forelock as his seignior passes reflects the soul of feudalism as enthusiastically as a junior professor in the presence of his betters. If absolute power corrupts absolutely, academic power tends to corrupt absurdly. One of the inevitable signs of academic prosperity is an invitation to deliver papers to conventions of one's peers, a ritual in which professors bore other professors by reading aloud obscure products of their research."

## Teaching suffers

All of this takes place within a culture in which research, however mindless or irrelevant, is given pride of place ahead of what outsiders assume to be higher education's primary obligation, teaching. There have been many accounts of the effects of the publish-or-perish syndrome, but none is more withering than Sykes' presentation of "dramatic, irrefutable evidence that the academic culture is not merely indifferent to teaching, it is actively hostile to it."

Sykes claims that "in the modern university, no act of good teaching goes unpunished" — a generalization that cannot be proved and to which innumerable exceptions can be cited. Sykes is guilty of broadsides such as these on several occasions, and he fails to acknowledge the existence of teachers who do teach and departments where serious scholarship is pursued.

These sins of commission and omission may make it too easy for critics to dismiss "ProfScam" as what it most surely is not, a mere polemic. For all its faults it is an immensely important book, one that cuts to the heart of America's academic darkness, and it deserves to be taken seriously by anyone who cares about universities. ■

Yardley writes about books for the Washington Post.

San José, August 17, 1984.

Dear Harlan and Margaret:

Thanks for the card from Denver - and I am sorry that the distances even within California prevent us from coming straight south to hug you properly to show how glad we are to know that your two decades in the desert are at last over and you back to the situation of our youth, when we first met in Svalöv. Now I only dream of that you will find time (I know you have the courage and fortitude) to help us find out what went wrong with our happiness and caused what we see as a miscarriage of justice of a Sakharov size and our wandering alone ostracized in the desert almost since you were instrumental in getting us to Boulder, which never became the stepping stone to the reasonable situation you then mentioned. But you may not want to become our Émile Zola of Dreyfus fame...though I dare to hope so from my oldest American friend.

Your return to the situation of the good old times hopefully soon will result in that you bring out the great material from old experiments that needs to be evaluated for the use of future botanists-geneticists. Although we slowed down (but never stopped as some hoped for) during our exile, we have tried to save some of the old material, so recently I have been informed that my 95 page conspectus of the Triticeae in my new genomic system has gone to press...though unfortunately without me reading the proofs for so-called expediency...and that it will be printed in the October number of Feddes Repertorium, the classical European taxonomy journal. We are still looking at the confused generic situation that the Hooker dominance caused in some large families a century ago, since we believe that the genetical evidence of almost a century of studies and experiments can solve their monumental problems...just now we are looking at the genera of the Crassulaceae and Gentianaceae that we believe can be given a reasonable limitation by aid of objective genetical rather than subjective so-called phenetical or phylogenetic thinking by aid of basic numbers and genomes - though that may of course be the old vanitas vanitatum, though we hope not. And now and then I have the unpleasant duty to write obituaries, I enclose the one about our dear Tyge. Life goes on.

We hope to see you soon for more than a day or two, though our facilities for travel have been curtailed by poverty for too many years since our so-called American dream turned into a nightmare for reasons that we still do not know and hope were not envy and politics. Our very best regards and hugs.

For ever,

Law-Crone:

An unscrupulous muckraker with very limited academic qualifications & evident CIA connections

Bill:

- "Groundless charges (lies) by nameless accusers" (Donovan, Oct - Nov 1972)

Lack of solid coverage

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Compassion:

Uphold is the man who knows that his friend has been wronged but does nothing to correct it.

Most of the world is authoritarian because of the dominance of religion & low education of the educational lobby -  
The authoritarian lobby is especially strong in science & history in the 20th century world.

... it was not I who let the scientific community  
at Boulder in particular let it be known in general  
down, but rather the reverse.

Source 6. Nov. 1911: 655: A response to creationist codes.

~~with the~~ You let me go with virtually no help &  
no support whatsoever of friends (Roger Levin)  
Very dense moral code or completely (fully) amoral education. (Revised/Amended)

p. 136 =

damaging a man's reputation  
cannot be done with impunity.  
(blackmail)

p. 7:

it's - piece of unforgivable  
injustice.

p. 13: shut their eyes to an Alpha-man.

p. 15:

But there is no mystery why Howard  
did it - he just wanted to make his middle good.

p. 137: - Never be too proud to be present.

p. 140: I don't think you're behaving as to your  
kind of people.

p. 143: there's been a certain amount of  
individual injustice...  
... had the moral advantage over him ...

p. 145: This is the time to agree to differ.

p. 151: ... burden him with mistakes of  
judgment (as if he did not know).

p. 152: ... for the sake of fairness.

Good luck of the person, total lack of sensitivity  
Typical American witch-hunt that went  
out of hand (toward children - I saw them  
~~in~~ in the red hearings (a second people))  
Miscarriage of justice (e.g. Dorothy Dings: For red hearing).

I would like my work & other actions judged by  
my red peers, be they American or foreign -  
I believe they also should be asked to decide if  
~~the same~~ what we believe is an unfair witch-hunt  
to prevent us from working & living as scientists is  
a grave miscarriage of justice, as if it is warranted ->  
basis of our scientific & other behavior in America.

I did not realize that these crooks were not only determined  
to prevent us from completing the work that we had promised  
to do - I could do better than others - but that they  
also had decided to go for - character assassination, since  
they apparently wanted to announce a second subject  
professor at the same school in - a few years period.

At night by - I - I might talk with not a legend.

Letters 21:25-26: - - - in man's hearts, feeling them for fear (hand)

Professional jealousy - but who  
There who play a game most subtle by its rule (discovery to young student) <sup>arrangement</sup>  
- - - a language, I had appropriate I should write it that time that I play, please, of



*Mount Evans and Echo Lake, Colorado*

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Dear Mitchell & Doris

9 Aug

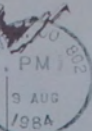
I can't come to Colorado with you  
Thinking of you - especially when  
we drive through Boulder on our  
way here to the A 1000 meeting at  
Ft. Collins. We've been enjoying the  
Rockies as well as the meetings.

When I say we, I refer to  
Margaret and myself for we  
were married again shortly  
before we left. We have been  
having a wonderful time  
together and the future  
again looks very bright.

With best wishes from us  
both -  
Kathleen

205  
MOUNT EVANS (elevation 14,264 ft.) and ECHO LAKE  
COLORADO. A favorite vacation stop just west of  
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Photograph by Ted and Lois Matthews.



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5. DEPT. CHAIRMAN  
6. APPOINTEE  
7. and 8. MISCELLANEOUS  
9. RETAIN IN DEPT. OFFICE

(a)	<input type="checkbox"/> MR. <input type="checkbox"/> MRS. <input type="checkbox"/> MISS	NAME (LAST IN CAPS) <b>LOVE</b>	FIRST <b>Boris</b>	MIDDLE/MAIDEN	SOCIAL SECURITY NUMBER <b>522-65-5896</b>	DATE <b>Oct. 3, 1975</b>
RANK OR TITLE <b>Research Associate</b>		CITIZEN (SPECIFY COUNTRY) <b>Iceland</b>				
DEPARTMENT OR PROJECT TITLE <b>Institute of Arctic and Alpine Research</b>		PRESENT MAILING ADDRESS <b>Bozler, Colorado</b>				
ACCOUNT NUMBER (DEPT. NO., SUB. B.C., OBJECT CLASS) <b>1555-01</b>		POSITION NUMBER				

(SUBMIT THE ABOVE INFORMATION IN ALL CASES, AND USE SPACE PROVIDED BELOW TO DESCRIBE SPECIAL CONDITIONS OF EMPLOYMENT.)

**We recommend that the above named:**

1.  Be APPOINTED  Be REAPPOINTED TO THE POSITION DESCRIBED ABOVE FOR THE PAY PERIOD AND DATE INDICATED BELOW AT A SALARY OF

P A Y P E R I O D	\$ <b>WOC</b> AT <b>NA</b> % OF TIME	EFFECTIVE DATE IF OTHER THAN BEGINNING OF PAY PERIOD _____ (MONTH) (DAY) (YEAR)					
<input checked="" type="checkbox"/> ACADEMIC YEAR 19 <b>75-76</b>	<input type="checkbox"/> FISCAL YEAR BEGINNING _____ (MONTH) (DAY) (YEAR) AND ENDING _____ (MONTH) (DAY) (YEAR)					(LAST NAME)	
<input type="checkbox"/> FALL SEMESTER 19 _____	<input type="checkbox"/> SPECIAL PERIOD BEGINNING _____ (MONTH) (DAY) (YEAR) AND ENDING _____ (MONTH) (DAY) (YEAR)					(FIRST NAME)	
<input type="checkbox"/> SPRING SEMESTER 19 _____	<input type="checkbox"/> MONTHLY RATE BEGINNING _____ (MONTH) (DAY) (YEAR) AND ENDING _____ (MONTH) (DAY) (YEAR)						
<input type="checkbox"/> 8-WEEK SUMMER HALF-SEMESTER 19 _____	<input type="checkbox"/> SUMMER OTHER THAN 8-WEEK HALF-SEMESTER BEGINNING _____ (MONTH) (DAY) (YEAR) AND ENDING _____ (MONTH) (DAY) (YEAR)						
INDICATE THE APPROPRIATE TERM OF APPOINTMENT:		<input type="checkbox"/> SUMMER ONLY	<input type="checkbox"/> 1 YEAR	<input type="checkbox"/> 2 YEARS	<input type="checkbox"/> 3 YEARS	<input type="checkbox"/> WITH TENURE	<input type="checkbox"/> OTHER _____

2.  Be TRANSFERRED FROM \_\_\_\_\_ (DEPARTMENT OR PROJECT TITLE) \_\_\_\_\_ (ACCOUNT NUMBER) \_\_\_\_\_ (POSITION NO.)

TO: \_\_\_\_\_ (DEPARTMENT OR PROJECT TITLE) \_\_\_\_\_ (ACCOUNT NUMBER) \_\_\_\_\_ (POSITION NO.)

AT A SALARY OF \$ \_\_\_\_\_ AT \_\_\_\_\_ % OF TIME PER \_\_\_\_\_ (ACADEMIC YEAR, SEMESTER, OR TERM)

AS OF \_\_\_\_\_ (EFFECTIVE DATE) REASON \_\_\_\_\_

3.  Be CHANGED IN RANK OR TITLE TO **Digitized by Hunt Institute for Botanical Documentation**

AS OF \_\_\_\_\_ (EFFECTIVE DATE) REASON \_\_\_\_\_

4.  Be CHANGED IN SALARY, FROM: \$ \_\_\_\_\_ AT \_\_\_\_\_ % OF TIME PER \_\_\_\_\_ (ACADEMIC YEAR, SEMESTER, OR TERM)

TO: \$ \_\_\_\_\_ AT \_\_\_\_\_ % OF TIME PER \_\_\_\_\_ (ACADEMIC YEAR, SEMESTER, OR TERM)

AS OF \_\_\_\_\_ (EFFECTIVE DATE) REASON \_\_\_\_\_

5.  Be GRANTED LEAVE  WITH FULL PAY  WITH HALF PAY  WITHOUT PAY FOR \_\_\_\_\_ (ACADEMIC YEAR, SEMESTER, OR TERM)

REASON \_\_\_\_\_

6.  Be TERMINATED \_\_\_\_\_ (SEMESTER, TERM OR LAST DAY OF SERVICE) REASON:  REASSIGNMENT WITHIN THE UNIVERSITY  ACCEPTED A POSITION IN ANOTHER UNIVERSITY  ACCEPTED A POSITION IN INDUSTRY  OTHER (STATE IN SPECIAL CONDITIONS)

7.  Be CANCELLED: APPOINTMENT DATED \_\_\_\_\_ FOR \_\_\_\_\_ (period of time) REASON \_\_\_\_\_

SPECIAL CONDITIONS: CONCURRENT APPOINTMENTS, FULL-TIME PROBATIONARY SERVICE AT OTHER INSTITUTIONS, STUDENT NUMBERS FOR STUDENT APPOINTEES, ETC. (SEE INSTRUCTIONS FOR CONCURRENT STAFF APPOINTMENTS, GIVE PERCENTAGE OF TIME.)

PROJECT DIRECTOR	DEAN OR ADMINISTRATIVE OFFICER	
DEPARTMENT CHAIRMAN	APPROVED FOR THE PRESIDENT OF THE UNIVERSITY	FUNDS VERIFIED BY RESEARCH ACCOUNTANT

APPOINTEE

**UNIVERSITY OF COLORADO  
FACULTY**

**REQUEST FOR APPOINTMENT, REAPPOINTMENT, OR CHANGE OF STATUS  
INSTRUCTIONS FOR PREPARATION: SEE REVERSE SIDE OF LAST COPY**

DISTRIBUTION  
1. FACULTY PERSONNEL  
2. PAYROLL  
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4. DEAN OF COLLEGE

UC-DF-1  
5. DEPT. CHAIRMAN  
6. APPOINTEE  
7. and 8. MISCELLANEOUS  
9. RETAIN IN DEPT. OFFICE

(a) <input type="checkbox"/> MR. <input type="checkbox"/> MRS. <input type="checkbox"/> MISS	NAME (LAST IN CAPS) FIRST MIDDLE/MAIDEN	SOCIAL SECURITY NUMBER	DATE
	1072 Ashell	212-68-2803	June 3, 1974
RANK OR TITLE		CITIZEN (SPECIFY COUNTRY)	
(b) ASSISTANT		Iceland	
DEPARTMENT OR PROJECT TITLE		PRESENT MAILING ADDRESS	
(c) Biology		Lawley 110	
ACCOUNT NUMBER (DEPT. NO., SUB. B.C., OBJECT CLASS)	POSITION NUMBER		
(d) 1708-01-1-100	F1	University of Colorado	

We recommend that the above named:

1.  Be APPOINTED  Be REAPPOINTED TO THE POSITION DESCRIBED ABOVE FOR THE PAY PERIOD AND DATE INDICATED BELOW AT A SALARY OF
- \$ \_\_\_\_\_ AT \_\_\_\_\_ % OF TIME [EFFECTIVE DATE IF OTHER THAN BEGINNING OF PAY PERIOD \_\_\_\_\_ (MONTH) (DAY) (YEAR)]
- PAY PERIOD**
- |   |  |
|---|--|
| <input type="checkbox"/> ACADEMIC YEAR 19 _____               | <input type="checkbox"/> FISCAL YEAR BEGINNING _____ (MONTH) (DAY) (YEAR) AND ENDING _____ (MONTH) (DAY) (YEAR)                            |
| <input type="checkbox"/> FALL SEMESTER 19 _____               | <input type="checkbox"/> SPECIAL PERIOD BEGINNING _____ (MONTH) (DAY) (YEAR) AND ENDING _____ (MONTH) (DAY) (YEAR)                         |
| <input type="checkbox"/> SPRING SEMESTER 19 _____             | <input type="checkbox"/> MONTHLY RATE BEGINNING _____ (MONTH) (DAY) (YEAR) AND ENDING _____ (MONTH) (DAY) (YEAR)                           |
| <input type="checkbox"/> 8-WEEK SUMMER HALF-SEMESTER 19 _____ | <input type="checkbox"/> SUMMER OTHER THAN 8-WEEK HALF SEMESTER BEGINNING _____ (MONTH) (DAY) (YEAR) AND ENDING _____ (MONTH) (DAY) (YEAR) |
- INDICATE THE APPROPRIATE TERM OF APPOINTMENT:  SUMMER ONLY  1 YEAR  2 YEARS  3 YEARS  WITH TENURE  OTHER: \_\_\_\_\_
2.  Be TRANSFERRED FROM: \_\_\_\_\_ (DEPARTMENT OR PROJECT TITLE) \_\_\_\_\_ (ACCOUNT NUMBER) \_\_\_\_\_ (POSITION NO.)
- TO: \_\_\_\_\_ (DEPARTMENT OR PROJECT TITLE) \_\_\_\_\_ (ACCOUNT NUMBER) \_\_\_\_\_ (POSITION NO.)
- AT A SALARY OF \$ \_\_\_\_\_ AT \_\_\_\_\_ % OF TIME PER \_\_\_\_\_ (ACADEMIC YEAR, SEMESTER, OR TERM)
- AS OF \_\_\_\_\_ (EFFECTIVE DATE) REASON \_\_\_\_\_
3.  Be CHANGED IN RANK OR TITLE TO \_\_\_\_\_
- AS OF \_\_\_\_\_ (EFFECTIVE DATE) REASON \_\_\_\_\_
4.  Be CHANGED IN SALARY, FROM: \$ 18,340 AT 100% OF TIME PER \_\_\_\_\_ (ACADEMIC YEAR, SEMESTER, OR TERM)
- % OF TIME, AND/OR PERIOD OF TIME TO: \$ 19,300 AT 100% OF TIME PER \_\_\_\_\_ (ACADEMIC YEAR, SEMESTER, OR TERM)
- AS OF Fall 1974 REASON Salary increase
5.  Be GRANTED LEAVE  WITH FULL PAY  WITH HALF PAY  WITHOUT PAY FOR \_\_\_\_\_ (ACADEMIC YEAR, SEMESTER, OR TERM)
- REASON \_\_\_\_\_
6.  Be TERMINATED (SEMESTER, TERM OR LAST DAY OF SERVICE) REASON:  REASSIGNMENT WITHIN THE UNIVERSITY  ACCEPTED A POSITION IN ANOTHER UNIVERSITY  ACCEPTED A POSITION IN INDUSTRY  OTHER (STATE IN SPECIAL CONDITIONS)
7.  Be CANCELLED: APPOINTMENT DATED \_\_\_\_\_ FOR \_\_\_\_\_ (period of time) REASON \_\_\_\_\_

SPECIAL CONDITIONS: CONCURRENT APPOINTMENTS, FULL-TIME PROBATIONARY SERVICE AT OTHER INSTITUTIONS, STUDENT NUMBERS FOR STUDENT APPOINTEES, ETC. (SEE INSTRUCTIONS FOR CONCURRENT STAFF APPOINTMENTS, GIVE PERCENTAGE OF TIME.

PROJECT DIRECTOR	DEAN OR ADMINISTRATIVE OFFICER
DEPARTMENT CHAIRMAN	APPROVED FOR THE PRESIDENT OF THE UNIVERSITY
	FUNDS VERIFIED BY RESEARCH ACCOUNTANT

**APPOINTEE**

TOP OF PAGE OR CAPS

LAST NAME

FIRST NAME

MIDDLE OR MAIDEN NAME

MIDDLE OR MAIDEN NAME