

CRYONICS

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ISSUE # 32

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EDITORIAL MATTERS

We are chagrined and saddened to report that our SCIENCE UPDATES column so competently written by Dr. Thomas Donaldson will appear only irregularly in the future. According to Dr. Donaldson the Australian National University has greatly reduced the number of biomedical journals it subscribes to thus reducing Dr. Donaldson's pool of resource materials. Apparently economic hard times have begun to impact the lives of academics in other parts of the world too. Dr. Donaldson has promised to continue to supply us with updates as the flow of information permits, but this leaves us with a serious hole in our coverage of current biomedical events of interest and even of importance to cryonicists. If there are others who would be interested in writing reviews of relevant papers we would be pleased to hear from you. While we especially need camera-ready copy, thanks to Lawrence Gale and our new computer, we can also utilize science reviews which require final typing or editing.

Another side effect of Dr. Donaldson's writing crunch has been a significant loss of revenue. In the past, Dr. Donaldson has generously donated the financial proceeds of articles he has written for other journals to CRYONICS. This support has helped to defray the considerable deficits encountered in the production and mailing of CRYONICS. It goes without saying that we could always use a little financial help.

In this issue is a pullout 1981 Index for CRYONICS, compiled by Steve Bridge (a professional librarian). We suggest you may want to remove the Index and keep it with your 1981 issues, perhaps by attaching it to the December issue. We hope you will find this useful. The 1982 Index will be published soon, and we hope to do an annual Index each February from now on. Many back issues of CRYONICS from March of 1981 (#7) are still available for \$1.25 apiece.

ALCOR RECEIVES GENEROUS CONTRIBUTION

We are very pleased to announce the receipt of a generous gift of \$1,000.00 from Mr. Steve Ruddel of South Florida. Mr. Ruddel, long interested in cryonics, has been a generous supporter of Alcor in the past. We are pleased and proud to see him continue his support. Mr. Ruddel sets a fine example for others with his contribution and we wish to thank him most sincerely. With Alcor's growing administrative, physical and patient care responsibilities such support could not have come at a better time.

BACS MEMBERS AND CRYONICS MAGAZINE

After what can only be described as a tempestuous two and a half years, BACS has decided to no longer offer subscriptions to CRYONICS to its members. We understand that BACS is taking on a new administrative direction since the recent election of a new Board of Governors and that, according to the new BACS treasurer Lee Gabriel, BACS hopes to remove itself from the position of middleman in all its member service arrangements. Several weeks ago, Alcor received a check from BACS to cover BACS member subscriptions which were already extant. If you have subscribed to CRYONICS via BACS in the past, Alcor will honor your subscription thru the date we were provided by BACS. We were not responsible for keeping subscription records for BACS in the past. If you find your subscription prematurely terminated and you formerly subscribed thru BACS, then please contact BACS for any adjustments that may be necessary. On the other hand, if you change your address or wish to renew your subscription after

your current "BACS sponsored" subscription expires, please contact us at: Alcor Life Extension Foundation, 4030 N. Palm #304, Fullerton, California 92635, phone: (714) 738-5569.

A NEW DIRECTION FOR BACS, TRANS TIME AND ALCOR?

In January the Bay Area Cryonics Society elected a new Board of Governors and chose new officers. This election represented a major shift in BACS' leadership with Jerry White, BACS president for the last 12 years stepping down to be replaced by Roy Yates, a long time BACS member. Frank Rothacker was replaced as Treasurer by Lee Gabriel and Paul Segall and Ron Viner are now serving as Secretary and Vice President, respectively.

According to Lee Gabriel BACS intends to chart a new course which includes decreased emphasis on cryonics and increased emphasis on other areas of the Life Extension Sciences such as gerontological counseling and products. We understand from Mr. Gabriel that it is BACS' intention to remove itself as the middleman between its members and the various companies providing cryonics and other services. We understand from Art Quaife, President of Trans Time that Trans Time is in the midst of developing a direct marketing approach for cryonics services which will completely sidestep the "problem" of the middleman. All of this leaves us wondering just what the future of BACS and other so-called middleman agencies is. We here at Alcor feel quite strongly that someone needs to be looking out for the safety and security of the patients and that our needs are best understood and met by an organization we can participate in and hold accountable.

The entire history of cryonics has been riddled with an intense adversary relationship between commercial suppliers of cryonics services and the consumers; principally relatives of suspension patients and members of nonprofit cryonics organizations. Commercial firms are out to make a profit which is perfectly fine and completely moral--except for one small problem: there just isn't any profit to be made in the cryonics business. At least not right now and at least not in the foreseeable future. Anyone who gives even the most cursory glance to current "commercial" cryonics operations such as Trans Time and Cryovita will quickly realize that these firms are not in business for the money. Rather, these companies exist because the people who own and operate them WANT the services they provide and they want those services in spite of the fact the operations not only do not yield a financial return, but rather steadily lose money. The leadership of Alcor is growing rather weary of this charade. We are growing weary of holding the bag for all the responsibilities but none of the benefits. We are tired of acting as a middleman for commercial firms struggling to make a profit and members who can't afford to pay enough for services to allow the commercial firms to do just that. We are doubly tired of charges of conflict of interests and uneasy legal questions generated by our position of interface with commercial firms.

There are at least two ways of dealing with this situation. BACS is apparently in the process of choosing to remove itself as a major interface between Trans Time and its members. Trans Time is planning to step around BACS and market directly to its customers. We cannot presume to know if these are bad or good decisions. But we have some opinions and those opinions will hopefully guide us in the course we are about to chart. Alcor was formed by and for people who desperately wanted cryonics services and wanted them to be of the highest quality at the lowest reasonable price. It was formed by people like Fred and Linda Chamberlain who were definitely go-getters and organizers who got things done one way or another whether the rest of the world liked it or not.

That philosophy has served both them and Alcor well. It is a time tested philosophy which has put Alcor at the forefront of cryonics achievements. It was Alcor who dared to do the first neuropreservation suspension and it was Alcor that was responsible for generating the first responsive rescue capability with thoroughly trained personnel. We think that's a good record. We think being answerable to our membership--other people who, like us are most concerned about getting and staying frozen when they die is the best course of action to take. So, while our colleagues up North start gearing up for a rather different course of action, we will continue our efforts to grow towards independence. We wish them all the best of luck. We are confident that this diversification of services will offer the entire cryonics community a whole family of options which previously were unavailable. We think this is a healthy thing and that the competition which results from it will mean lower prices and an "acid test" of workability for these various ideas.

ALCOR DUAL PATIENT DEWAR: A PERFORMANCE REPORT

Recently Alcor persuaded a manufacturer of high quality superinsulated vacuum dewars to manufacture a dewar very similar to the dual patient dewars which Minnesota Valley Engineering (MVE) had made for us in the past. As many of our readers know, due to the controversial nature of cryonics MVE has stated that they are no longer willing to manufacture such equipment for cryonics purposes. After much effort and negotiation a firm has been located which is willing to manufacture such equipment for us. In December of 1982 Alcor took delivery on a dewar from the new vendor and placed it into service.

Initial performance of the dewar was very disappointing with a boiloff rate of nearly 19 liters per day! This figure was obtained over the first 30 days of service and was quite surprising in view of performance figures supplied by the manufacturer. We are happy to report that the first thirty days of operation probably represented a "settling in" period--a time when cryopumping (frosting out of stray volatiles and gases in the vacuum space on the ultracold inner wall of the container) which improves the vacuum quality was still going on. Performance figures for the second month of operation indicate that the boiloff rate is actually 16 liters per day, including transfer losses incurred during filling. While this performance is not as good as the 10 to 12 liters per day achieved by dewars formerly made by MVE, we are satisfied.

We have spoken with the manufacturer and we hope to significantly improve the performance of dewars subsequently purchased. We have been very satisfied with other features of the new dewar such as the presence of stabilizing p"outrigger" wheels, a one-piece lid which allows for monitoring evolved boiloff gases (a way to check vacuum quality) and the presence of a new tilting stretcher assembly which allows us to accommodate large or obese patients. On the horizon is the development of new storage system, which we are working with the manufacturer on, which may reduce storage costs for whole-body patients radically.

LETTERS TO THE EDITORS

Dear Editors,

I read your article, "When You Can't Even Give It Away" and all I can say is that science fiction writer Fred Pohl is a jerk for turning down your offer to freeze him for free. I doubt I'd bother to read any of his books even if they were offered to me for free.

I'd like to suggest another well known person who has written two #1

bestsellers: A Few Minutes With Andy Rooney and And More By Andy Rooney. In addition to writing these two bestsellers, Mr. Rooney also appears regularly on the prime time CBS television show 60 Minutes. Having Mr. Rooney accept an offer similar to that offered Mr. Pohl would certainly generate publicity. The reason I think Mr. Rooney might accept such an offer is his attitude towards death and aging as exemplified by the quotes in his books:

"You can't ask more from something than immortality and money next week."

"On Chairs--A man takes immortality from anywhere he can get it, but it seems a sad fate for a poet to be remembered for a chair."

"On hair--Next to death, commercial bread and the price of gas, I hate the idea of getting bald the most."

"On eyeglasses--We all have some obligation not to give in easily to deterioration of any kind."

"On ugly--A smile is attractive and white teeth in a good mouth are beautiful. Take the teeth out of their natural setting and they are not beautiful, they are ugly...even when they are smiling. Teeth in a glass have about them several attributes we associate with ugly. They represent an object out of place and they also suggest the losing battle we are all fighting against deterioration. Life is beautiful, death is ugly."

If you think Mr. Rooney is a good candidate for promoting cryonics, like I do, then proceed to make him an offer he can't refuse--free cryonic suspension.

Sincerely,
A. M. Roe

Dear Mr. Roe,

Thanks for your novel suggestion, and for Mr. Rooney's wit. If and when I decide to give away any more "free freezes" it will be to those worthy of it; the men and women who have worked so faithfully and long for this idea and who want it passionately. They are the only ones worthy of it.

As a matter of fact, Alcor has "given away" a free cryonic suspension. In fact, after a fashion we've "given away" several. These charity cases are just about anything but. When the likes of Mr. Pohl and Mr. Rooney, however pleasant and "correct" their philosophies may be, have worked half as hard or done half as much for cryonics as our current "charity" cases have, they will be more than welcome to free cryonic suspension. In the meantime, any spare resources we have in the cryonic suspension department will be used, as they should be, to take care of our own.

Mike Darwin

Dear Editors,

I read with a great deal of interest your article on Acquired Immune Deficiency Syndrome (AIDS) and noticed that you state "we should take steps to protect ourselves against it." You were not specific. As I am a young, sexually active gay cryonicist I would be very interested in what I can do to

protect myself. Are there special nutrients or medications which could help prevent this sickness?

Unsigned

The most obvious thing to do is to avoid the possibility of contracting the disease by abstaining from promiscuous sexual activity, as well as by abstaining from sex with a partner who is promiscuous. Celibacy sounds like a severe restriction to place on someone. Yet, failing a stable monogamous relationship you can trust, you have little alternative if you want to remain 100% safe.

I well understand what a difficult decision this will be to make. I think it is important to point out that the number of AIDS cases is doubling approximately every four months. In January there were 100 cases reported to the Center for Disease Control (CDC). This probably does not reflect the true number, since it appears that many cases in the smaller urban areas in the Midwest and South are simply being missed. If this rate of spread continues, then by January of next year there will be over 400 cases a month reported to CDC! Since AIDS seems to have an incubation time of 6 months to two years the thousands of cases that will be reported between now and our hypothetical 400 for the month of July are cases which already exist.

There is no way of telling how rapidly or to what extent AIDS will spread. If it follows the pattern of most infectious illnesses we have been familiar with in the past, then it will continue to experience a logarithmic rate of growth until it "uses up" all the susceptible hosts and reaches a steady state in the population. If AIDS behaves in this classic way, then we are in for one hell of a ride. What this means is that within a few years or a decade at most, most of the homosexual men who are susceptible to this illness will have it. The enormous social and economic consequences of this are by no means obvious. I bring these facts out to point up the magnitude of the risk and to urge you to reconsider your pattern of sexual behavior.

As far as I know there are no specific nutritional recommendations which would provide any realistic defense against such an illness. Speaking from years of experience in the hemodialysis community (where hepatitis B is endemic), viral illnesses communicated as AIDS appears to be do not "spare" people just because they are in good health and well nourished and rested. Indeed, both of the deaths from Hepatitis B I have seen have been among the youngest and healthiest of staff members afflicted.

There has been some speculation that butylated hydroxytoluene (BHT) and other related compounds may be effective against cytomegalovirus (CMV) and Herpes viruses, which are major complications of AIDS and which may or may not be related to the infectious agent causing AIDS. Pearson and Shaw (Life Extension: A Practical Scientific Approach) have been vigorously advocating the use of BHT in the treatment of Herpes and Cytomegalovirus infections. Because AIDS, like CMV is immunosuppressive and because the pattern of infectivity seems to be identical there has been some speculation that the infectious agent for AIDS may be a relative or mutated form of CMV.

If you should be unfortunate enough to contract AIDS I strongly recommend you relocate to an area where research is going on and experimental approaches to treatment are being employed clinically. If you are a suspension member, I would especially recommend relocating to the Los Angeles area and seeking treatment with Dr. Michael Gottlieb's group at the UCLA Medical Center. This would allow close proximity not only to an aggressive research/therapeutic program but to high quality cryonic suspension facilities as well. I hate to be

so direct and macabre, but I see little alternative.

I would also like to take this opportunity to point out that it is important for any of our gay members to let us know if you have or think you might have AIDS. This is not an academic matter. Already we have had an individual consult about arrangements for a patient who now has AIDS. It is important that we know about the presence of this illness well in advance so that we can gear up to handle such a case. Please, be reassured that we will not abandon any of our members just because they have AIDS. We have already been presented with the possibility of dealing with such a case and we have and are giving every consideration as to how to handle them. At this time we have an all volunteer staff of people who are willing to participate in such high risk suspensions.

I'm sorry I can't be more helpful.

Mike Darwin

Dear Editors,

I was surprised to see an article like the one which appeared in the January issue on Acquired Immune Deficiency Syndrome. Frankly, who cares if a bunch of queers get the plague and die? Just thinking about their filthy habits makes me ill. I hope you all have the good sense not waste paper on such nonsense in the future.

Unsigned

Aside from your insensitivity and crudeness you seem to have a problem understanding that bugs don't care what your aesthetic or social proclivities are. They can infect straight as well as gay people. They can also infect perfusion team members, people who get blood transfusions or medical personnel. Leaving the human considerations aside, the impact on this society of the spread of such a hideous infectious illness is hard to estimate. Think about BILLIONS of dollars of dislocated money spent on caring for thousands or millions of dying people. Think of research money diverted from more "basic" kinds of research such as the mechanisms of aging or the fundamentals of genetic engineering. With an entire society locked into a multibillion dollar battle with an immediate and devastating threat to life, just what kind of a priority do you think "immortality" research is going to be? I suggest you re-examine your indifference or hostility. As for your disgust; life is full of disgusting things, sometimes they even write letters to the Editors.

Mike Darwin

"I kept waiting for somebody to do something. Then I realized; I'm somebody!"

-Anonymous

EV COOPER
1926-1983
?

It's not far back to sanity
At least it's not for me
And if the wind is right you can
sail away
And find serenity
The canvas can do miracles
Just you wait and see
Believe me

- "Sailing" by Christopher Cross

Ev Cooper is a man virtually never mentioned in newspaper and magazine articles or books about cryonics. His name is one which many of our readers may never have heard or remember only vaguely. When one thinks of the man who originated cryonics, Robert Ettinger is the man most likely to come to mind. Yet there was another man and another book and he made a contribution every bit as great as Ettinger's and perhaps in his quiet, unassuming way he may have made a more significant one.

Time moves quickly and life is short; we cryonicists know that all too well already. History, for all its complexity and splendor, has an ear mostly for the loud, the scheming or the violent. Ev Cooper was none of those of those things, so it is not surprising that his name is not at the tip of every tongue. Now, with his passing, I will try to redress the inadequacies of "history" and tell you a story of a man, a dream, and perhaps a defeat.

In 1962 Ev Cooper completed work on his manuscript Immortality: Physically, Scientifically, Now and privately published it. The book is a modest, almost apologetic one; the ideas it contains are the stuff of genius and the fabric of change. Ev, as well as Ettinger, had realized that men need not be born only to die and that if they were frozen at or near the time of death they might yet have a chance to live again, whole and complete, forever. Shortly before the publication of Ettinger's The Prospect of Immortality Ev did something for which he deserves our eternal gratitude: he decided not to wait for anyone else to come present him with immortality on a silver platter and he founded the Life Extension Society (LES). LES with its network of coordinators was the first cryonics organization in the world. Ev saw, as Ettinger did not, that action would have to be taken by those few who could see clearly that this was the right thing to do. In contrast to Ettinger's optimism and apparent belief that cryonics would "catch on" and quickly transform the world Ev correctly foresaw the resistance cryonics would encounter and the paucity of adherents it would attract in its infancy:

"The inertia of mankind is something of which to stand in genuine awe. More realistically a small handful of that estimated 2 billion will first learn of the opportunity, second, will care enough for their own future to prepare themselves, third, will have the resources to provide for their cooling and preservation, or will be allowed to rest in suspension by the laws of their governments. The archaic conditioning of their educations, and the wishes of the institutions to which they have pledged allegiance will provide further stops... Let us hope new discoveries and better education change this projection but as it stands now a guess would be that humanity isn't going to be allowed to

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CONFERENCE FACILITIES: As most people felt that it was more important to put our money into research rather than into fancy trappings and expensive banquets, that is the way we have planned the 1983 LAKE TAHOE LIFE EXTENSION FESTIVAL to be held June 3-4-5-6 1983. Nonetheless, we think you will find the occasion none too shabby. A conference set-up at the casinos would have cost twice as much...but what we have will be very nice...and we have been promised that the Chicken Cordon Bleu for the banquet on Saturday night will be fresh and made on site (guaranteed not to be frozen)!

The Conference Motel will be the CONDOR LODGE located right on Highway 50 (our main drag, for those of you who have never had the pleasure of being in Tahoe before). The Condor Lodge is just minutes from the casinos and there are several eating establishments within walking distance.

LODGING POSSIBILITIES:

THE CONDOR LODGE: Nice accommodations. Heated pool. Restaurant. On site! *Call Tricia for reservations (Californians call 800-822-5982. Other states call 916-541-5400. Be sure to ask for Tricia and tell her you are with the Life Extension Festival. There is a discount if more than 10 rooms are reserved by attendees of the Festival. The cost per room is approximately \$34 per nite.*

EL RANCHO BIJOU: Next door to the Condor Lodge and has two rustic two-story cabins which each sleep nine people. Complete kitchen facilities and daily cleaning included for about \$10 per nite per person (this might be a great way for singles and others who want to economize). Call 916-544-3311 for reservations. It is suggested that you find a group and reserve these early (in January if possible).

CASINO RESERVATIONS	You can get general information about Tahoe, information about who is playing (entertainers) at what Casinos, reservations for numerous other motels (by price category or by name or location) by calling toll free into our Visitors Bureau:
SHOWROOM RESERVATIONS	
OTHER POSSIBILITIES	

California 800-822-5922

Other states 800-824-5150

If you have any questions, call Linda or Fred Chamberlain at 916-542-1329 between 10 AM and 6 PM any day except Sunday or Monday, or write P.O.Box 16220, South Lake Tahoe, CA 95706.

FRIDAY June 3, 1983 **

10 AM RIVER RAFTING (Mild and non-dangerous). Leave from the Condor Lodge and caravan to the Truckee River outside of Tahoe City on the north shore. Cost is \$10 per person and includes raft, paddles, life jackets and a return ride on a shuttle bus. This "beer run" (i.e., lazy day floating down the river sipping a beer if you choose) takes about 4 hours depending on the number and duration of stops along the way. Wear shorts or swim suits - and maybe a sweater (you may get wet). Bring your lunch and whatever drinks you want. Its going to be fun!

7 PM DINNER CRUISE on the M.S. DIXIE (Paddle Wheeler). Meet at the boarding site in Zephyr Cove, Nevada. There is a live band and a cocktail bar on Boat the second deck (enclosed) for your pleasure during the cruise. During Departs the cruise over to Emerald Bay, the upper deck is an excellent vantage point for viewing the shoreline and the sunset. Seating for the steak and wine dinner will be at 8:30 on the return trip. The group rate is \$23.00 per person and reservations are required. As we have to put up a deposit and guarantee the number of persons in the group, we must have your payment no later than May 1, 1983 if you plan to go on the cruise. Dress is casual. Bring a warm coat if you want to enjoy the evening breezes on the deck.

There will be no other "reception". The Dixie cruise will be the general arrival get-together for those who want an evening activity the night before the technical sessions.

SATURDAY June 4, 1983

10 AM Technical Sessions
Condor Lodge on
Highway 50 in
South Lake Tahoe

1-2 PM Lunch Break

2-5 PM Technical Sessions

7 PM Banquet (same room)

9 PM Star Gaze, bring your
telescopes!



SUNDAY June 5, 1983

10 AM Round Table Discussions
or over flow of the
technical session
Condor Lodge

1-2 PM Lunch Break

2-5 PM Round Table Discussions

7 PM Potluck dinner
Condor Lodge

9 PM Planning session for
Monday's fun activities

MONDAY June 6, 1983 **

FREE DAY FOR THE ACTIVITIES OF YOUR CHOICE such as horseback riding, casino gaming, hiking, daytime lake cruise, etc. Brochures will be provided to help spur the imagination. We can form groups for different activities, or go our separate ways. A planning session for this will be held at the potluck dinner on Sunday night. Those remaining in the Tahoe basin Monday evening may want to get together one last time for a feast at Harrah's Forest Buffet (which is about \$9 for all you can eat - a real King's table).

** The activities on Friday and Monday are not included in the registration fee. The registration fee covers the Saturday and Sunday sessions and the banquet.

PLEASE REGISTER EARLY SO THAT WE WILL HAVE THE FUNDS WE NEED FOR DEPOSITS AND PLANNING.

REGISTRATION FORM



Name: _____

Address: _____

City: _____ State _____ Zip _____

Business Phone(_____) _____

Home Phone (_____) _____

Number of persons attending: _____

☐ Fri (6-3-83) ☐ Sat (6-4-83) ☐ Sun (6-5-83) ☐ Mon (6-6-83)

☐ ENCLOSED IS \$25.00 Registration Fee for each person attending,

totalling \$ _____. It is understood that \$10.00 of each registration fee is budgeted for use by one or more life extension research organization, which may be designated below, and that all proceeds from raffles, auctions and other fund raising activities for research will be distributed in proportion to the total registration fee designations:

<input type="checkbox"/> Alcor Life Extension Foundation (California)	_____ %
<input type="checkbox"/> Bay Area Cryonics Society (California)	_____ %
<input type="checkbox"/> Institute for Cryonics Education (California)	_____ %
<input type="checkbox"/> Life Extension Foundation (Florida)	_____ %
<input type="checkbox"/> Other:	_____ %

☐ Distribute in proportion to designations of other attendees _____ %

☐ Also enclosed is an additional \$5 _____ \$10 _____ \$25 _____ \$100 _____ \$ _____
to be distributed the same as shown above.

Please register today.

We need your registration fees to pay for the conference room deposit, postage, etc.

If you **have** any questions call Linda Chamberlain at 916-542-1329 between 10 AM and 6 PM any day except Sunday or Monday, or write P.O. Box 16589 South Lake Tahoe, California 95706.

For general information about Lake Tahoe, road and weather information, etc., call our Visitors Bureau:

California 800--822-5922

Other States 800--824-5150



- LEVIDOPA (L-dopa)
 "...and Cardidopa" May:9
 "Work from Leningrad" Jun:12
 "...and aging" Dec:13
- LEAF, JERRY, author
 "Research project" May:11-14
 "Science, monkeys, and the Media" Jul:30-33
 "KVM Suspension" Aug:8-18
 "LR Suspension" Nov:21-28
- LEGAL OPINIONS
 "California Attorney General on Cryonics" Mar:2
 "UAGA appeal" Nov:29
 "Brother Fox case" Aug:6-7
 "John Storer case" Nov:31-32
 "UAGA Legislation" Dec:10
- LEHR, DR. HERNDON B. obit. Jul:3
- L-FUCOSE Jul:19
- LIFE INSURANCE--HISTORY
 "Book review" Aug:2-4
- LIFE SPAN (see also AGING)
 "Lansing Effect" May:3
 "Cardidopa and levidopa" May:9
 "DNA Repair" Jun:10
 "Vitamin E" Oct:12
 "Levidopa and aging" Dec:13
 "Evolution of life span" Dec:14
- LILLEHEI, DR. RICHARD obit. Jul:2
- LONG LIFE MAGAZINE Mar:2
- LONGEVITY see LIFE SPAN
- LOPP, ALLEN, author
 "Openness in the Cryonics Arena" Jun:5-8
- MANN, LAURIE, author
 "How the Cryonics Movement Thawed Out" Nov:9-11
 (see also Reply from Darwin Dec:6)
- MEMORY --"L-Fucose" Jul:19
- MERYMAN, DR. HAROLD
 "Freezing injury" Jul:4-5
- MINNESOTA VALLEY ENGINEERING
 "The Last MVE" Jun:1
 "Economics and Neuropreservation" Dec:2-3
- MONKEY EXPERIMENTS May:2; Jul:30-33
- NALOXONE Oct:10-11
- NELSON, ROBERT F. see CRYONICS
- SOCIETY OF CALIFORNIA
- NEURON REGENERATION Jun:11
- NEUROPRESERVATION
 "Suspension of LR" Nov:21-28
 "Economics of Neuro.." Dec:2-3
- NOBLE, COREY, PhD. (pseud), author
 "Research project" May:11-14
 "A Possible Alternative to Freezing (vitrification)" Jul:7-12
 "The Future of Cryonics" Sep:2-4
- OBESITY May:9
- OBJECTIONS TO CRYONICS
 see CRYONICS--OBJECTIONS TO PARABIOSIS May:7
- PEGG, DAVID
 "Cryo injury in organs" Jul:5-7
- PHENFORMIN Jun:12
- PIRACETAM Oct:2
- POHL, FREDERIK
 "How the Cryonics Movement Thawed Out" Nov:9-11
 "Reply by Darwin" Dec:6-7
- PROSTACYCLIN Oct:2
- PSEUDONYMS Aug:1
- QUAIFE, ART, author
 "Insulating Dewars" Oct:13-18
 "LR Suspension" Nov:21-28
 "UAGA appeal" Nov:29-30
- RECRUITMENT OF MEMBERS
 "The Future of Cryonics" --articles by Noble, Chamberlain and Donaldson. Sep:2-13
- REMOTE STANDBY--AUSTRALIA Jul:13-17
- RESEARCH PROJECTS
 "Co-ordinated Suspended Animation Research Project" May:11-14
- RESURRECTION "Fyodorov" Sep:14-18
- RESUSCITATION
 "Back from the dead" May:3
 "Biochemical factors" Sep:21
- RIGHTS OF PATIENTS
 "Court cases" Aug:6; Nov:31
- RNA "from postmortem brains" Sep:19
- RUDDER, STEVE
 "Funding for Cryonics" Oct:7
- SAGAN, CARL quoted Nov:32
- "Salvation of Cryonics, the" Oct:8-9
- SCIENCE FICTION Nov:8
- SENILITY (see also ALZHEIMER'S DISEASE)
 "Piracetam" Oct:2
- SHEKIN, ARLENE, author of Cryonics: A Sociology of Death and Bereavement. Reviewed Nov:12; Dec:16-18
- SLIDES--STORAGE Jun:8-9
- SMITH, DR. AUDREY obit. Jul:2
- SOCIETY FOR CRYOBIOLOGY
 "Annual Meeting Report" Jul:3-7

SOC. FOR CRYOBIOLOGY (cont.)

"On Co-operating with Cryobiologists" Nov:33-34
 "Clarification" Dec:2
 SODIUM PUMP "in obesity" May:9
 SPINAL CORD REGENERATION Dec:8-9
 STORAGE UNITS
 "Trans Time Multiple Storage Unit" Apr:3
 "The Last MVE" Jun:1
 "CI on Storage Research" Jun:2
 "Insulation of dewars" Oct:13-18
 "Economics of neuropreservation" Dec:2-3
 STORER, JOHN, patient Nov:31-32
 STROKES
 "Drug treatment in hypertension" Jun:13
 "Strokes and blood substitutes" Dec:7
 SUDA, ISAMU
 "New research" Oct:3
 SUSPENSION PATIENTS
 "A Question of Time" (Eastern Failure) Mar:4-6. Also see "Clarification" Jun:1
 "Cryonics Tragedy" (Mr. and Mrs. RM) Sep:Insert
 "A Western Tragedy" Dec:3-5
 See also CRYONICS SOCIETY OF CAL.
 SUSPENSION REPORTS
 "KVM" Aug:8-18
 "LR" Nov:21-28
 TANDY, CHARLES EDWARD, author
 "N.F. Fyodorov" Sep:14-18
 THIOPENTAL "and ischemia" May:3
 THROMBOLYTIC AGENTS May:4
 THYMOSIN "in aging" Jul:19
 TOTAL BODY WASHOUT
 "Research Project" May:11-14
 "Science, Monkeys and the Media" July:30-33
 TRANS TIME
 "TT Multiple Storage Unit" Apr:3
 "TT Monkeys around" May:2
 "TT files lawsuit" Jun:3
 "Suspension van for sale" Jun:14
 "Science, Monkeys, and the Media" Jul:30-33
 "Cryonics Tragedy" Sep:Insert
 "Insulating Dewars" Oct:13-18
 "LR Suspension" Nov:21-28
 TRANSPLANTATION OF CELLS Jul:5

UNIFORM ANATOMICAL GIFT ACT

"California Attorney General on Cryonics" Mar:2
 "Appeal to members" Nov:29
 "Legislation" Dec:10
 VASECTOMY "and heart attacks" May:7
 VITAMIN C "and immune system" Jun:10
 VITAMIN E "and longevity" Oct:12
 VITRIFICATION
 "A possible alternative to Freezing" Jul:7-12
 WAITING
 "A parting thought" Jul:34
 WEALTHY PEOPLE AND CRYONICS
 "Water and Oil" Apr:6-8
 (also see "Ettinger on Wealth" Jun:2)
 ZELISER, V.A.R., author of Morals and Markets. Reviewed Aug:2-4

turn to this method overnight. You can rest in peace however, the challenge will be met or certain men and machines won't rest until eventually death has been thrown to the mat and pinned."

Unlike other early cryonicists Ev was extremely concerned about the relationship between commercialism and cryonics. Apparently he felt that commercial ventures were not viable operations for cryonics at this time both because of the microscopic nature of the "market" and the potential for fraud and abuse which he saw the profit motive as encouraging. He apparently maintained these convictions up to the end of his life and was reportedly very saddened over the scandal resulting from the collapse of Cryonic Interment and the loss of the patients being cared for there.

But despite his vision, or perhaps because of it Ev walked away from the cryonics and life extension movement in 1969. Ev had always been an extremely private person; virtually no one I spoke with in preparing this piece was able to give me any significant amount of background or biographical information. Bill Albaugh, one of Ev's longtime friends and associates from the Life Extension Society days told me that we will probably never know the personal side of Ev Cooper; in May of last year Ev retrieved his personal papers and correspondence and "deep sixed" them. He was getting older he said, and with his lifestyle of sailing, frequently alone, he wanted to be sure those papers were destroyed. Ev's former wife, Mildred, says he turned away from cryonics because of overload, burn-out and a general sense that it was not going to be a viable option for him in his lifetime. Others that I have talked to confirmed this statement and elaborated to say that Ev felt cryonics was not a viable option for himself for practical (political, social, economic) reasons and that he was not going to spend the time he had left trying to obtain the impossible. Additionally, political struggles with the then emerging cryonics societies in general and with Ettinger in particular provided the final incentive for him to walk away from the idea and his years of efforts with the Life Extension Society.

By all accounts, the decade following his departure from cryonics was a good one for Ev Cooper. In the course of preparing this piece I talked with half a dozen people who had known Ev over the past 10 years. Everyone who spoke of him did so in the warmest and most exuberant terms. Two of his friends from Nantucket described him as follows:

"Ev Cooper may not have kept interest in expanding the length of human life, but in the last fifteen years he certainly added to the quality of it, both his own and those lucky enough to have known him. He was absolutely free—he made a science of self-sufficiency—and was well liked wherever he went. I know this sounds suspiciously like I'm eulogizing, but it's true: Ev was quite happy and thoroughly good humored about everything, even negative things. Ev was never bitter, never spoke of the past and remained 100% cheerful and optimistic, completely content with his existence, never frustrated."

Ev's optimism may have been a factor in his disappearance and presumed death. Ev had spent the summer of 1982 in Nantucket helping his friends finish construction of their sailboat. On October 9th, while they were putting the newly completed sailboat through its paces, a sudden gale blew through Nantucket harbor, with ninety-knot winds out of the Northeast. A large charter motor-sailer dragged her Bruce anchor and smashed into Ev's boat, the PELICAN. PELICAN was apparently rather seriously damaged by the accident; and the insurance company for the commercial vessel which caused the damage was refusing to pay off calling the storm and the damage "an act of god."

Ev's friends urged him to remain in Nantucket for the winter and stay with

them while he completed repairs to PELICAN. Unfortunately, Ev was anxious to return to Beaufort, S.C., as an unusually severe winter was predicted for the Northeast. So, Ev made makeshift repairs and left Nantucket on Dec. 17th. A few days later his friends recieved a Christmas card from Ev saying that he was unable to find a sailing companion at Martha's Vineyard and so he was sailing alone. He failed to arrive at Beaufort on schedule and so, in mid-November his friends had a Coast Guard search performed. There was and has been no word from Ev. He failed to change his forwarding address for mail, and no friends have heard from him, or Coast Guard or other vessels sighted him since shortly after he left Martha's Vineyard on or about Dec. 21st. There is a small chance that Ev and the PELICAN may be alive, but disabled, floating somewhere in the Atlantic. There is a smaller chance that Ev set off for Europe or out to sea for an extended trip. This latter speculation is dismissed by those who knew Ev most recently and well; they say he was much to concerned about the condition of his damaged PELICAN to risk such a journey.

It seems likely that somewhere out alone on the sea, as he lived his life, Ev Cooper met his end. It was an event to which he had apparently resigned himself and made his peace. Yet one cannot help hoping that he might be out there on the water sailing, oblivious to a world that could not hear his message and for the time being at least chose to embrace death rather than life. Perhaps it is not too outrageous to hope that we may see Ev Cooper put into port again someday as he himself said at the end of his book:

"But if our course has been as devious, and as lengthly, and as delayed at times as Odysseus' might we feel that in some small sense we have tracked the ocean of immortality and death and returned to the veiled and rocky native shores? Or have we dealt in the land where Don Quioxe dwelt trying to reestablish a value that is for ever lost? And is our return, or will it be, like his? Either is more than reward enough. But let us assume that it is more like the veiled, dusty, rocky shore of Ithaca upon which we are awakening. We have had a long, exciting and good journey into unknown regions. We may be temporarily weakened. We know not for sure exactly upon which coast we stand but we know we have a kingdom before us. We will gather our strength and our wits about us and proceed. For we'll go out of this world, if we must, with neither a bang nor a wimper but a stratagem."

We hope Ev Cooper puts into port someday soon.....

THE FIRST CRYONICIST by Saul Kent

The cryonics movement did not begin with the publication of The Prospect of Immortality by Robert Ettinger in 1964. At that time there was already a cryonics organization in being, although the word "cryonics" had not yet been invented. That organization--The Life Extension Society (LES)--was started by Ev Cooper--a tall, softspoken man who also wrote the first book on cryonics: Immortality, Physically, Scientifically, Now, which was published privately.

Ev's role in launching the cryonics movement deserves a longer and more thoughtful piece than I have time for right now, but here are a few recollections of the man and the early days of the movement.

When I read The Prospect of Immortality in June of 1964, I was exhilarated to a degree I had never before experienced. Instantly, I knew--beyond a shadow of a doubt--that the most profound and powerful idea in history had been unleashed and that I would devote my life to it. But it wasn't until the following winter that I finally got around to writing a letter to Ettinger to initiate my involvement in the movement.

In that letter, I asked if there were any organizations working to promote the idea. He replied that there were two: The Immortality Records and Compilation Association (IRCA) in Panorama City, California headed by Tom Tierney and The Life Extension Society in Washington, D.C. headed by Ev Cooper.

I wrote a brief note to both organizations and awaited their replies. From IRCA I heard nothing. Two years later, I was to experience hours of intensive questioning from the police and the FBI in Las Vegas when Curtis Henderson and I tried to meet with Tierney, who had just been arrested for counterfeiting and gun fraud. When the police interrogator asked me if we were involved in either of these schemes, I replied: "No, officer, we only freeze dead bodies."

From Ev, on the other hand, I heard a great deal. Several days later I recieved a Special Delivery letter from him that was a bit overwhelming. Not only did Ev welcome me into his organization with open arms, he actually asked me if I wanted to represent LES in New York as a "Life Extension Coordinator." I wasn't quite ready for that yet and wondered what kind of man would make such an offer so quickly.

About a month later I met Ev Cooper and his wife Mildred for the first time at Grand Central Station in New York. Ev had just participated in a seminar on the freezing idea at Pace Institute in Brooklyn. Another participant in the seminar was Dr. Benjamin Schloss, who had formed an organization--The Society for Anabiosis--to raise money for cryonics research. Dr. Schloss soon shifted his attention to aging research. He died from cancer in the late 1970's, while trying to launch a crash program to achieve immortality by 1989. He was not frozen.

One of the spectators at the seminar was Karl Werner, a Pratt student who would soon (August 1965) join with Jim Sutton, Harry Costello, Curtis Henderson and myself to form the Cryonics Society of New York (CSNY); the first organization to compete with LES. Karl was the one who thought up the word "cryonics." He dropped out of the movement in 1969 to join the Church of Scientology. Although he soon left Scientology, he never returned to cryonics.

From the beginning I found Ev to be warm, friendly, gracious and generous. We carried on an exciting and highly stimulating conversation in his car as we drove out to a restaurant in Queens to meet (for the first time) with Jim Sutton and Harry Costello, who were to join with me in becoming coordinators for LES in New York. Three months later, we would resign from LES and six months after that would join with Curtis Henderson and Karl Werner to form the Cryonics Society of New York.

About 6 weeks later, Jim Sutton, Harry Costello and I took a bus ride to Washington, D.C. to meet with Ev and the other members of LES. Once again, Ev and Mildred greeted us with warmth and good cheer. While Jim and Harry stayed at a local motel, I had the good fortune to be invited to stay with Ev and Mildred at their apartment--the home base of the Life Extension Society.

That evening Ev and I discussed the idea of achieving immortality with great excitement. It was particularly thrilling for me to discuss the idea with a man who had obviously given great thought to its implications. Ev was well read in philosophy, psychology and literature. He greatly enjoyed discussing traditional ideas and then speculating about how they might change as the prospect of immortality became more imminent. LES, in fact, had evolved from a discussion group led by Ev that examined the greatest books of the 20th century.

Ev and I continued our discussions until well after midnight.

The following day, Jim, Harry and I were introduced by Ev to some of the other LES members including Vice President John Prince, a tall (6' 7") black man who dressed in 3-piece suits; Bill Albaugh, who was about to run for Congress in Maryland on a "Freeze-Wait-Reanimate" program (the title of the LES newsletter); and Phil Carlson, who was intrigued by the concept of personal identity and how it might change in the future. In all, we met about a dozen local members all of whom clearly looked up to Ev as their leader.

Later in the day, Ev showed me his small, but graceful sailboat, the use of which occupied most of his leisure time. Both Jim and Harry, who were dressed in business suits, declined a ride in Ev's sailboat, but I decided to chance it in my light jacket and desert boots.

Ev took me out about half a mile from shore. It was quite windy and I was soon cold and wet and anxious to get back to dry land. But Ev wasn't about to take me back so quickly. He was truly in his element at sea and was determined to tell me all he could about the glories of sailing, whether I wanted to know or not.

Finally, after about 45 minutes of gliding through the waves, we returned to shore. That was the first and last time I ever saw Ev's sailboat.

The first major cryonics event I ever attended was the 2nd Annual LES Conference held on January 1, 1966.

The previous evening, Curtis Henderson and I drove down to attend a New Year's Eve party at Ev's apartment. It was extraordinarily warm (70 degrees by the time we reached D.C.) and we were delayed.

We arrived at Ev's place at about 11:50 PM. At the stroke of midnight, Ev announced that the party was over. "Time to go to sleep," he said, "Got to get up real early for the conference tomorrow."

And what a conference it was! Ev had sent out press releases about a frozen dog ("Belle") who would be displayed at the conference. He also had made arrangements with Ed Hope of Cryo-Care Equipment Corporation to drive that company's prototype "Cryo-Capsule" to D.C. from Phoenix in order to exhibit the frozen dog.

Hope arrived that night, but Ev had neglected to make arrangements for a place to put the trailer with the capsule. So he had to leave it in a "no-parking" zone next to the restaurant where the conference was to be held.

The next morning, photos were taken of Belle in the capsule and then the dog was put into a freezer. The conference started bright and early, with the streets of the city deserted (It was New Year's Day, you remember).

At noon we wandered out of the restaurant to find a small crowd gathering around the capsule. The police were questioning Ed Hope about the strange machine in his van. They had perplexed looks upon their faces as they pondered the meaning of the "suspended animation" sign on the side of the van.

Suddenly, several frantic-looking men and women carrying pickets arrived on the scene with fire in their eyes. They were members of the Humane Society and were outraged at the idea of freezing a dog for future reanimation. "We want to see that dog brought back to life right now!" shouted a particularly enraged woman.

Then the press arrived. A camera crew from one of the local TV news shows was the prime attraction. One of D.C.'s most popular TV reporters was asking for the person in charge of the festivities. When Ev couldn't be located (He was apparently in the Men's Room), Bob Ettinger consented to an interview to explain what freezing people was all about.

As the interview proceeded, the crowd grew larger, the Humane Society protesters became more vocal, and the police moved into to break up the proceedings.

As soon as the TV interview was over, we returned to the restaurant to resume the conference. That night we watched the late news at Ev's place with a sense of growing excitement. It seemed as if the freezing idea was about to take off and that LES would be in the forefront of the movement.

That wasn't to be of course. By then (Jan. 1, 1966), Ev had already "lost control" of things in New York. After several disagreements over policy, we had broken loose from LES and formed the Cryonics Society of New York (in August of 1965).

Later in 1966, we began to publish Cryonics Reports and, in October of that year, Curtis Henderson and I set forth on a trip around the country that triggered some profound changes in the movement. During that trip, the Cryonics Society of Michigan was formed, with Ettinger as President; the Cryonics Society of California was formed, with Bob Nelson as President; and we ordered a Cryo-Capsule from Ed Hope's company in Phoenix (after spending two weeks there). On Jan 12, 1967, James H. Bedford was frozen by the Cryonics Society of California, which led to a great deal of publicity about the idea and firmly placed the various Cryonics Societies in the forefront of the movement.

By then end of 1967 LES was almost moribund. Its influence ended, for all means and purposes, when Ev suddenly called off his annual LES conference on very short notice. We rapidly stepped into fill the void by organizing the First Annual Cryonics Conference at the New York Academy of Sciences on March 28, 1968.

Ev Cooper never attended that meeting or any subsequent meeting. He quietly dropped out of the movement and went off to a simpler life at sea.

SCIENCE NOTE

John C. Wheatley of the Los Alamos National Laboratory recently announced the development of an "acoustic heat engine" which uses sound to cause refrigeration employing a device that seems far simpler, and therefore potentially both cheaper and more reliable than conventional refrigerators. Moreover, this device may be able to achieve cryogenic temperatures and may therefore become of direct practical relevance to cryonicists; perhaps cutting costs, allowing for greater self-sufficiency, and facilitating storage of vitrified materials at temperatures in the range of -160°C .

The device consists of a cylinder into which is inserted a stack of rectangular fiberglass plates running parallel to the cylinder axis. The tube is filled with helium (or other gas), closed at one end and fitted at the other with a piston able to vibrate at 150 to 1,000 cycles per second. By vibrating at just the right rate, one end of the plates can be made to heat up while the other end cools down. In a few minutes of operation temperature differences up to 100°C have been produced. Effectiveness of the device is dependant upon the gas used, among other variables. So far the device is not a practical refrigerator, but numerous elaborations are planned which should change that. We will be most interested to watch the progress of this new technology. (Source: Science News, 122:358, 1982.)

REQUEST FOR SPEAKERS



SUNDAY SESSION - June 5, 1983

LAKE TAHOE LIFE EXTENSION FESTIVAL

Up to this time, in announcements concerning the Lake Tahoe Life Extension Festival (June 3 - 6, 1983) Sunday has been shown as a day for "round table" discussions. The exact subjects had not been selected, but participation was to be the goal. On the advice of several interested persons, however, we are going to try a slightly different emphasis. See what you think. In this, as in all other respects, this session is for *participant's* pleasure and enrichment. Only by comments, such as we have received already, can we fine tune the Festival for maximum enjoyment and benefit.

Saturday is a day for researchers, and those who want to keep track of what the researchers are doing. Sunday, by contrast, could be a day to find connections in our day-to-day lives with life extension. What can we *non-researchers* do, now, to pursue life extension on a *personal* level? What can we do to maintain our health, to live safely, to be better prepared to cope with a premature death?

The basic idea is to split the day into two parts, with half devoted to anti-aging and half concerned with cryonics. Speakers are needed who can address these topics on a personal, action-oriented basis, a level to which all attendees can relate and benefit. One question which comes up right away is "what about liability"? How do such speakers avoid giving "medical advice" or in other ways opening themselves to similar risks?

Perhaps a speaker could approach the topic of personal involvement from a level of "here is what *I am doing*". Listeners could be advised that they are being presented with recounts of *other's experiences*, not with recommendations as to their own actions.

Rather than trying to suggest a list of topics, we'll leave this to your imaginations. There are a number of persons uniquely fitted for special topics, and we will be twisting their elbows to come up with something exciting in their areas of expertise. Please don't hesitate if we haven't thought to contact you, however. Many of you may have ideas on how to do things with life extension on a personal basis that we may be unaware of.

We encourage attendees to bring any life extension oriented product lines to the Festival to make these available to the others attending. However, we ask that the presentations not be used as sales pitches and that business or product solicitation be done outside the Saturday and Sunday sessions rather than from a platform sponsored by admission fees.

To help us organize these talks, a brief summary of your presentation would be helpful along with the time required to give it. To accommodate a greater number of speakers, we may ask you to condense your remarks. At the outset, give us an indication of the maximum time you could usefully consume. There is plenty of time to squeeze things together later, if that turns out to be necessary.

Please let us hear from you as soon as possible...but in any case we must have your summary no later than March 1, 1983 to enable us to coordinate the talks and to have an agenda published in the April issue of CRYONICS. Please mail your summaries to Fred and Linda Chamberlain, P.O.Box 16589, South Lake Tahoe, CA 95706.

MONDAY JUNE 6, 1983

This is a day which has been left unstructured to allow attendees to enjoy any activity of their choice. For those who would like to participate in some hiking, a day trip will be lead by Fred and Linda Chamberlain...



THE GREAT LIFE EXTENSION DAY HIKE

The trail we choose will depend upon (1) weather conditions during the winter months (as some trails may still be closed with snow in early June), (2) weather conditions in June itself (we'll go rain or shine...if anyone wants to come along), and (3) the abilities and inclinations of those participating. We don't expect that the majority will want to make a "death march" out of the outing (as we are all immortalists, after all)! We want it to be a trip that all will enjoy and want to repeat (which means lots of rest stops, fun stops, photo stops, etc.) Several possible trail routes will be discussed at the planning session held Sunday evening after the potluck dinner and our destination will be chosen at that time.

WHAT TO BRING:

If you want to go on this scenic day hike, be sure to bring with you the following:

- | | |
|----------------------------|-----------------------|
| 1. Day pack | 4. Emergency clothes: |
| 2. Good hiking shoes/boots | a. Sweater or jacket |
| 3. Comfortable clothing | b. Rain suit |
| | c. Hat |
| | 5. Canteen |

FOOD AND EMERGENCY SUPPLIES:

Lunch and emergency supplies will be carried by Fred and Linda Chamberlain (you may want to bring along your first aid and emergency kit also). If the party gets large enough, some extra volunteers for carrying food may be asked for! Each hiker will be asked to make a financial contribution toward the cost of lunch.

We'll build a fire and enjoy a hot meal at a camp sight about half way through the trip...nothing smells as wonderful as bacon cooking over an open fire! This will be a great way to see and enjoy the mountains, lakes and streams of the Tahoe basin! We hope you will join us!

Mailing Address: P.O. Box 16589 - South Lake Tahoe, CA 95706

(916) 542-1329

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