

A Publication of the Immortalist Society

LONG LIFE

Longevity Through Technology

Volume 46 - Number 04

CRYONICS EMERGENCY

EARLY NOTIFICATION STRATEGIES

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www.immortalistsociety.org

www.cryonics.org

www.americancryonics.org



Why should You Join the Cryonics Institute?

The Cryonics Institute is the world's leading non-profit cryonics organization bringing state of the art cryonic suspensions to the public at the most affordable price. CI was founded by the "father of cryonics," Robert C.W. Ettinger in 1976 as a means to preserve life at liquid nitrogen temperatures. It is hoped that as the future unveils newer and more sophisticated medical nanotechnology, people preserved by CI may be restored to youth and health.

1) Cryonic Preservation

Membership qualifies you to arrange and fund a vitrification (anti-crystallization) perfusion and cooling upon legal death, followed by long-term storage in liquid nitrogen. Instead of certain death, you and your loved ones could have a chance at rejuvenated, healthy physical revival.

2) Affordable Cryopreservation

The Cryonics Institute (CI) offers full-body cryopreservation for as little as \$28,000.

3) Affordable Membership

Become a Lifetime Member for a one-time payment of only \$1,250, with no dues to pay. Or join as a Yearly Member with a \$75 initiation fee and dues of just \$120 per year, payable by check, credit card or PayPal.

4) Lower Prices for Spouses and Children

The cost of a Lifetime Membership for a spouse of a Lifetime Member is half-price and minor children of a Lifetime Member receive membership free of charge.

5) Quality of Treatment

CI employed a Ph.D level cryobiologist to develop CI-VM-1, CI's vitrification mixture which can help prevent crystalline formation at cryogenic temperatures.

6) Locally-Trained Funeral Directors

CI's use of Locally-Trained Funeral Directors means that our members can get knowledgeable, licensed care. Or members can arrange for professional cryonics standby and transport by subcontracting with Suspended Animation, Inc.

7) Funding Programs

Cryopreservation with CI can be funded through life insurance policies issued in the USA or other countries. Prepayment and other options for funding are also available to CI members.

8) Cutting-Edge Cryonics Information

Members currently receive a free subscription to Long Life Magazine, as well as access to our exclusive members-only email discussion forum.

9) Additional Preservation Services

CI offers a sampling kit, shipping and long-term liquid nitrogen storage of tissues and DNA from members, their families or pets for just \$98.

10) Support Education and Research

Membership fees help CI to fund important cryonics research and public outreach, education and information programs to advance the science of cryonics.

11) Member Ownership and Control

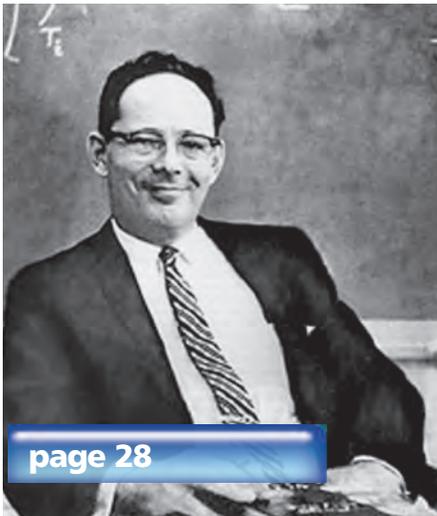
CI Members are the ultimate authority in the organization and own all CI assets. They elect the Board of Directors, from whom are chosen our officers. CI members also can change the Bylaws of the organization (except for corporate purposes).

The choice is clear: Irreversible physical death, dissolution and decay, or the possibility of a vibrant and joyful renewed life. Don't you want that chance for yourself, your spouse, parents and children?

To get started, contact us at:

(586) 791-5961 • email: cihq@aol.com

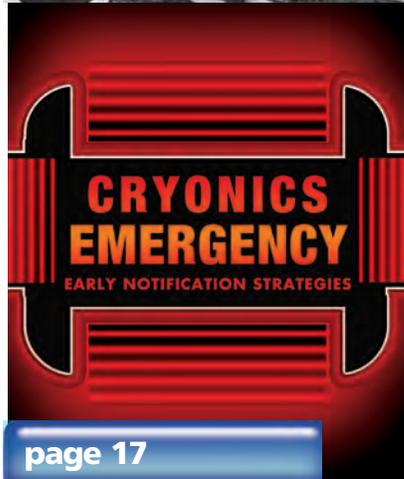
Visit us online at www.cryonics.org



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LONG LIFE MAGAZINE

A publication of the Immortalist Society



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Long Life's New Subscription Policy

IMPORTANT NOTICE

Starting with our next issue, the printed edition of Long Life will be changing to a paid subscription for CI members who have currently been receiving the magazine as a free gift subscription. Immortalist Society members will continue to receive the magazine as a part of their IS membership.

There are several reasons for the policy change, which are outlined in greater detail on page 6.

Although we are changing the print edition to a paid subscription option, we will also be providing you with ways to continue enjoying the magazine at no cost. In addition to the PDF issues currently available at cryonics.org, we will also be offering free email subscription options for the magazine.

We've posted a subscription form at: cryonics.org/long-life-subscriptions (please note the hyphens) where you can select your subscription type, so I urge you to visit the site to let us know your preferences. Please note, for members who *do not* register their preferences, the default subscription option will be simply reading the magazine online at cryonics.org. So if you would like to receive an email edition, a reminder notice, or sign up for the paid hard copy mail edition, please be sure to register with us today.

This issue leads off with coverage of the 2014 AGM, starting on page 10. Aschwin de Wolf and Chana Phaedra share some exciting research plans for the future on page 15, and CI President Dennis Kowalski offers a thorough roundup of Emergency Notification tools for cryonicists starting on page 17. For folks interested in the financial positions of CI and IS, both organization's complete financial reports are at the end of the magazine.

On a personal note, I'd like to thank everyone from the 2014 AGM for taking the time to share their thoughts about *Long Life* and cryonics, as well as for being kind and patient enough to pose for the photos you see in this issue. Also, a special call-out to the folks who helped with the breakdown that evening after the meeting.

It was a pleasure meeting a great group of people - I'm looking forward to seeing everyone again in 2015!

— *Douglas Golner - Managing Editor, Long Life*



LONG LIFE

A quarterly publication of the
Immortalist Society

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Volume 46 Number 4

Fourth Quarter, 2014

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PRINT EDITION SUBSCRIPTION PRICES :

Single Subscriptions delivered by mail in the USA \$35 per year.
Single Subscriptions delivered by mail elsewhere \$40 per year.
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Hello everyone and thank you for placing your confidence in me once again by reelecting me to serve as a director and as CI's 4th President. I would like to congratulate incumbent CI directors Andy Zawacki and Steve Luyckx on getting reelected, and also newly elected director Stephan Beauregard and advisor Kevin Doyle for stepping up to the challenge. I am once again reminded of the great responsibility that I have been entrusted to uphold. There are currently 1,176 members, of which 126 are patients who I am jointly responsible for helping to get to the future so that we all can realize a dream of long and healthy lives. I promise to do my very best to



Chief Business Officer Steve Luyckx reviews CI's financial position.

see this dream through and to honor the trust you have placed in my hands. Together with such a high caliber group of directors I feel reassured that we are all in good hands.

The AGM was a fantastic success and it is always a pleasure to see old friends and meet new ones. Pat Heller and Steve Luyckx spoke about the positive trends in CI's financial standing, such as our operating expenses running in the black along with unprecedented rates of return on investments. Suspended Animation's Catherine Baldwin spoke about advances in Standby technology and the benefits of SA's cutting-edge services. Thank you Catherine for a very informative and professional presentation.

I spoke about and displayed some basic and intermediate standby kits for our members to use as templates for organizing their own local groups or in cooperative efforts with funeral directors near their homes. It is important that all members start their own preparations now rather than later. CI's "what to do list" (see page 7) helps provide a solid guide in that direction. Another very important and low hanging fruit, when it comes to planning, is thinking about what tools you have in place to facilitate early notification. At the AGM we talked about what to have in place if you are in an emergency that could require cryonics services, and how to get the ball rolling when you need it most. Please read my article on Early Notification (page 17) for more on this all important topic.



Suspended Animation, Inc. President Catherine Baldwin talks standby at the 2014 AGM.

We continue in our efforts to make CI better while growing revenue and driving down expenses. We have plans to continue CI facility upgrades, computer and social media outreach, and careful growth in membership and investments. Things are looking very good but there is always room for improvement at CI, both as an organization and for each and every one of us as members. Please make it your resolution to commit some time and money to making both CI and your own personal standby planning a little better. I believe you will be very happy you did so.



Long Life: E magazines and the future

By: Dennis Kowalski - Cryonics Institute President

Many Cryonics Institute members assume that *Long Life* is a production of the Cryonics Institute, but, in fact it is an Immortalist Society magazine. Several years ago, when magazine production costs were much smaller, CI decided to give each CI life member **a free gift subscription to *Long Life***. This was not intended as a guaranteed permanent benefit, but rather as a gift trial subscription. It became quite popular, and provided a great way for us to communicate with our members. It is a simple fact, though, that like most products and services, the price of production has continued to climb. Printing and development costs have gone up as well, but not as significantly as the increases in postage fees, especially international mailings. To make matters worse, many of the magazines that are sent out at significant expense are not arriving on a timely basis or even not at all due, primarily, to the fact that no one can completely control things once the copies hit the mail, especially overseas. Many magazine publishers have been exploring the electronic format as a potential option to both cut costs and save on resources, both financial and environmental. While *Long Life* magazine has come a long way from its humble beginnings, the status quo has been pretty much maintained when it comes to the printing and shipping of the magazine. In terms of hard copy production of a magazine, this is basically true of all publications.

Back when the "gift subscription program" was started, we assumed that membership dues invested would help pay for the costs of the gift subscriptions.

Unfortunately, production and shipping costs for the Immortalist Society, the producer of the magazine, have gone up, while returns on guaranteed investments just haven't been able to keep pace. Many businesses have taken note of this trend and are looking at new and creative ways to communicate with their members and to sustain periodical production. One answer is internet communications that weren't available when *Long Life* was first introduced. The E-magazine format is one of those options, and we would like to try and see if this format fits for the CI members who have been receiving the gift subscriptions to *Long Life*.

Besides paying the Immortalist Society to mail out hard copies of the magazine, we have been uploading each issue on CI's website in a PDF format that can be read online or printed out to be read at your convenience. The past several issues of the magazine can be found at the bottom of the home page of CI's website, www.cryonics.org. We know that some people prefer an electronic copy and that others prefer the actual hard copy magazine. So we have decided to give CI members a real choice. **Starting with the next issue**, the online posting of the magazine will be the new default option for current gift subscriptions. In addition to the website magazine, members may

also opt to have the PDF magazine (and/or an epub version which is in development) emailed to them at no cost. A third electronic option will be to simply receive an email notice when the new issue is posted on the web site. For those members who wish to continue receiving the hard copy magazine, there will now be a paid subscription option.

For the foreseeable future, the Immortalist Society will continue to produce the hard copy magazine, but we are going to have to ask CI members who have received the hard copy as a gift to subscribe and to "vote", so to speak, with your dollars. We have been providing the gift subscriptions at a rate that basically covers the magazine's production costs but, at the moment, the gift subscriptions are costing the Cryonics Institute around twelve thousand dollars a year. Therefore, we're taking this action in order to keep those costs separate from current cryonics membership and suspension fees. This is a sizeable amount of money which we feel could be used for other things at CI, including research on improved methods and matériel, building improvements, making sure that we have a reasonable "cushion" to operate on in case of needed and/or

unexpected expenses, etc. In order to do that, we are asking the CI members who want to continue receiving the hard copy magazine to help us cover the costs for their subscriptions.

There will be two basic subscription rates, \$35US for subscribers in the US, and \$40US for subscribers elsewhere. The

management of the Immortalist Society has assured me that they will continue to try to put out the magazine as reasonably priced as they think they can, subject to inflation and production cost increases, which may result in an unavoidable price change in the future.

The blunt question is how much do you like the hard copy magazine and do you like it enough to support it with your money? What we are looking to achieve is a separation between cryonics operational costs and the increasing costs of the gift subscriptions to the magazine. We are looking at greater efficiency and realistic savings, but we are also looking to gauge actual interest in the magazine. I know that a lot of time and effort goes into *Long Life*, so if you like it, please support it either by subscribing to the email edition or by purchasing a subscription to the hard copy edition.

Sincere thanks for your understanding and consideration.

Editor's note from IS President York W. Porter: If you are already an Immortalist Society member, you will still continue to receive the hard copy of the magazine although it may be necessary, in the near future, to adjust your dues, at the time of your next renewal, and/or to add a "mailing fee cost" at that time, to reflect the increasing costs



New Subscription Options
Beginning in 2015, CI members will need to choose a subscription type for *Long Life*. **PLEASE REGISTER** your preference at:
cryonics.org/long-life-subscriptions



of production. We are going to try hard to “hold the line” on the cost of the magazine, especially in view of its long-standing status as one of the significant print sources about cryonics. That being said, however, although we don’t provide the magazine to make money, we have to have money to provide the magazine and the other efforts of the Immortalist Society (maintaining a website, sponsoring the IS Cryoprize, carrying on the ANB, Inc. cryonics research

efforts, etc) As a note to each of our readers, none of the officers of the Immortalist Society receive any money for their service on the Board of Directors and no Immortalist Society officer receives any compensation, other than reimbursement for monies they actually have spent in helping to produce the magazine. Thanks for your help and understanding.



You’ve signed up for Cryonics Now what should you do?

Welcome Aboard! You have taken the first critical step in preparing for the future and possibly ensuring your own survival. Now what should you do? People often ask “What can I do to make sure I have an optimal suspension?” Here’s a checklist of important steps to consider.

- Become a fully funded member through life insurance or easy pre-payments
Some members use term life and invest or pay off the difference at regular intervals. Some use whole life or just prepay the costs outright. You have to decide what is best for you, but it is best to act sooner rather than later as insurance prices tend to rise as you get older and some people become uninsurable because of unforeseen health issues. You may even consider making CI the owner of your life insurance policy.
- Keep CI informed on a regular basis about your health status or address changes. Make sure your CI paperwork and funding are always up to date. CI cannot help you if we do not know you need help.
- Keep your family and friends up to date on your wishes to be cryopreserved. Being reclusive about cryonics can be costly and cause catastrophic results.
- Keep your doctor, lawyer, and funeral director up to date on your wishes to be cryopreserved. The right approach to the right professionals can be an asset.
- Prepare and execute a Living Will and Power of Attorney for Health Care that reflects your cryonics-related wishes. Make sure that CI is updated at regular intervals as well.
- Consider joining or forming a local standby group to support your cryonics wishes. This may be one of the most important decisions you can make after you are fully funded. As they say-“Failing to plan is planning to fail”.
- Always wear your cryonics bracelet or necklace identifying your wishes should you become incapacitated. Keep a wallet card as well. If aren’t around people who support your wishes and you can’t speak for yourself a medical bracelet can help save you.
- Get involved! If you can, donate time and money. Cryonics is not a turnkey operation. Pay attention and look for further tips and advice to make both your personal arrangements and cryonics as a whole a success.



Worldwide Cryonics Groups

If you know of, or are considering starting a support, standby or other cryonics-related group in your area, please send details to immsoc@aol.com. We'll be using [Long Life](#) to list existing groups of interest as well as help spread the word and encourage new organizations. (New additions to the list are denoted with an asterisk).

AUSTRALIA: The Cryonics Association of Australasia offers support for Australians, or residents of other nearby countries seeking information about cryonics. caalist@prix.pricom.com.au. Their Public Relations Officer is Philip Rhoades. phil@pricom.com.au GPO Box 3411, Sydney, NSW 2001 Australia. Phone: +6128001 6204 (office) or +61 2 99226979 (home).

BELGIUM: Cryonics Belgium is an organization that exists to inform interested parties and, if desired, can assist with handling the paperwork for a cryonic suspension. The website can be found at www.cryonicsbelgium.com. To get in touch, please send an email to info@cryonicsbelgium.com.

BHUTAN: Can help Cryonics Institute Members who need help for the transport & hospital explanation about the cryonics procedure to the Dr and authorities in Thimphu & Paro. Contacts : Jamyang Palden & Tenzin Rabgay / Emails : palde002@umn.edu or jamgarnett@hotmail.co Phones : Jamyang / 975-2-32-66-50 & Tenzin / 975-2-77-21-01-87

CANADA: This is a very active group that participated in Toronto's first cryopreservation. President, Christine Gaspar; Vice President, Gary Tripp. Visit them at: <http://www.cryocdn.org/>. There is a subgroup called the Toronto Local Group. Meeting dates and other conversations are held via the Yahoo group. This is a closed group. To join write: csc4@cryocdn.org

QUEBEC: Contact: Stephan Beauregard, C.I. Volunteer & Official Administrator of the Cryonics Institute Facebook Page.

For more information about Cryonics in French & English: stephanbeauregard@yahoo.ca

DENMARK: A Danish support group is online. Contact them at: david.stodolsky@socialinformatics.org

FINLAND: The Finnish Cryonics Society, (KRYOFIN) is a new organization that will be working closely with KrioRus. They would like to hear from fellow cryonicists. Contact them at: kryoniikka.fi Their President is Antti Peltonen.

FRANCE:

SOCIETE CRYONICS de FRANCE Roland Missionnier would like to hear from cryonicists in Switzerland, Luxembourg and Monte Carlo, CELL: (0033) 6 64

90 98 41, FAX: (0033) 477 46 9612 or rolandmissionnier@yahoo.fr

Can help Cryonics Institute Members who need help for the transport & hospital explanation about the cryonics procedure to the Dr and authority in Toulouse Area. Contact : Gregory Gossellin de Bénicourt / Email : cryonics@benicourt.com Phone : 09.52.05.40.15

GERMANY: There are a number of cryonicists in Germany. Their homepage is: www.bio-stase.de (English version in preparation.) if there are further questions, contact Prof. Klaus Sames: sames@uke.uni-hamburg.de.

GREECE: Greek Cryonics Support Group. Sotiris Dedeloudis is the Administrator. Find them at: <http://www.cryonics.gr/>

INDIA: Can help Cryonics Institute Members who need help for the transport & hospital explanation about the cryonics procedure to the Dr and authority in Bangalore & Vellore Area. Contacts : Br Sankeerth & Bioستر Vignesh / Email : vicky23101994@gmail.com Phones : Bioستر / 918148049058 & Br Sankeerth / 917795115939

ITALY: The Italian Cryonics Group (inside the Life Extension Research Group (LIFEXT Research Group)) www.lifext.org and relative forum: forum.lifext.org. The founder is Bruno Lenzi, contact him at brunolenzi88@gmail.com or Giovanni Ranzo at: giovanni1410@gmail.com

JAPAN: Hikaru Midorikawa is President Japan Cryonics Association. Formed in 1998, our goals are to disseminate cryonics information in Japan, to provide cryonics services in Japan, and eventually, to allow cryonics to take root in the Japanese society. Contact mid_hikaru@yahoo.co.jp or <http://www.cryonics.jp/index.html>

NEPAL: Can help Cryonics Institute Members who need help for the transport & hospital explanation about the cryonics procedure to the Dr and authorities in Kathmandu. Contact : Suresh K. Shrestha / Email : toursuresh@gmail.com Phone : 977-985-1071364 / PO Box 14480 Kathmandu.

NETHERLANDS: The Dutch Cryonics Organization (<http://www.cryonisme.nl>) is the local standby group and welcomes new enthusiasts. Contact Secretary Japie Hoekstra at +31(0)653213893 or email: jb@hoekstramedia.nl

* Can help Cryonics Institute Members who need help, funeral home, transport & hospital expla-

tion about the cryonics procedure to the Dr and authority at Amsterdam with branches in other cities. Contact : Koos Van Daalen / Phone (24 Hours) +31-20-646-0606 or +31-70-345-4810

NORWAY : Can help Cryonics Institute Members who need help for the transport & hospital explanation about the cryonics procedure to the Dr, funeral home and authority at Sandvika. Contacts : Gunnar Hammersmark Sandvika Begegravelsesbyraa / Phones : 011-47-2279-7736

PORTUGAL: Nuno & Diogo Martins with Rui Freitas have formed a group to aid Alcor members in Portugal. Contact: nmartins@nmartins.com or visit www.cryonics.com.pt/

RUSSIA: KrioRus is a Russian cryonics organization operating in Russia, CIS and Eastern Europe that exists to help arrange cryopreservation and longterm suspension locally, or with CI or Alcor. Please contact kriorus@mail.ru or daoila.medvedev@mail.ru for additional information or visit <http://www.kriorus.ru>. Phone: 79057680457

SPAIN: Giulio Prisco is Secretary of the Spanish Cryonics Society. Website is <http://www.cronica.org.sec>. He lives in Madrid and he's a life member of CI and is willing to serve as a contact point for Europeans. He can be contacted at: cell phone (34)610 536144 or giulio@gmail.com

* **SWITZERLAND (new entry):** www.CryonicsSwitzerland.com or www.ria.edu/cs

UNITED KINGDOM: Cryonics UK is a nonprofit UK based standby group. <http://www.cryonicsuk.org/> Cryonics UK can be contacted via the following people: **Tim Gibson:** phone: 07905 371495, email: tim.gibson@cryonics-uk.org. **Victoria Stevens:** phone: 01287 669201, email: vic-stevens@hotmail.co.uk. **Graham Hipkiss:** phone: 0115 8492179 / 07752 251 564, email: ghipkiss@hotmail.com. **Alan Sinclair:** phone: 01273 587 660 / 07719 820715, email: cryoservices@yahoo.co.uk

Can help Cryonics Institute Members who need help, funeral home, transport at London. Contact : F.A. Albin & Sons / Arthur Stanley House Phone : 020-7237-3637

INTERNATIONAL: The Cryonics Society is a global cryonics advocacy organization. Website is www.CryonicsSociety.org. They publish an e-newsletter [FutureNews](#). Phone: 1-585-643-1167.

Please note, this list is provided as an information resource only. Inclusion on the list does not constitute an endorsement by Long Life magazine or our affiliated organizations. We urge our readers to use this list as a starting point to research groups that may meet their own

individual needs. We further note that readers should always use their own informed judgment and a reasonable amount of caution in dealing with any organization and/or individual listed.



Cryonics Institute Membership Statistics:

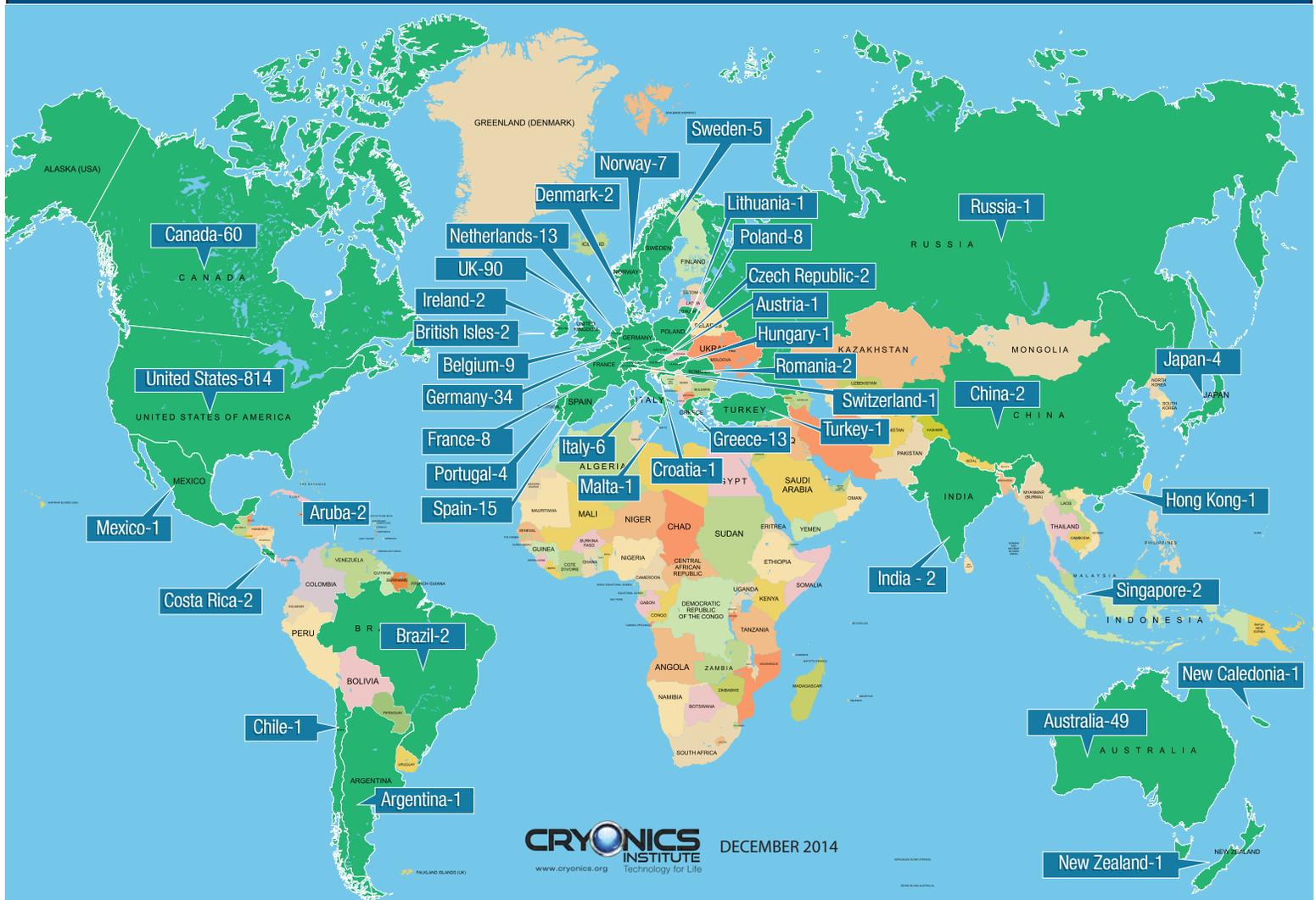


As of December 2014, the Cryonics Institute has 1,176 members, up 16 from our last report. Of the 1,176 Members, 578 have funding and contracts in place for human cryopreservation. Of these 578, 173 have arrangements for Suspended Animation Standby and Transport.

There are 126 human patients and 109 pet patients in cryopreservation at CI's Michigan facility.

CI continues to be an industry leader in terms of both membership and practical affordability for all.

Cryonics Institute Membership by Country:



CRYONICS INSTITUTE DECEMBER 2014
 www.cryonics.org Technology for Life

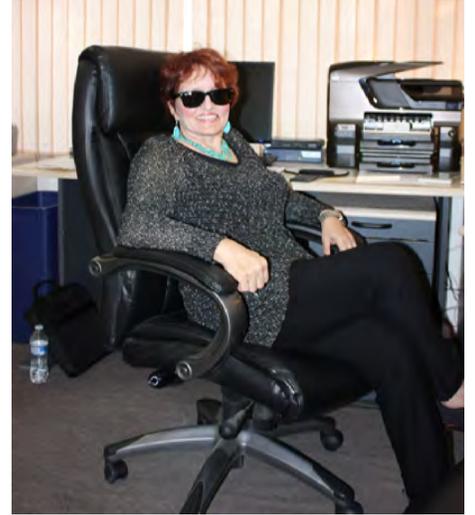




CI President Dennis Kowalski



CI Chief of Operations Andy Zawacki troubleshoots a presentation



CI Contract Officer Connie Ettinger



IS Treasurer Rich Medalie and IS President York Porter count the votes for the 2015 CI Board.



CI Member Shannon Blevins with his CI Merchandise display. Shannon also donated over 50 CI logo mugs as souvenir gifts for meeting attendees.



Welcome aboard! Victor Thkifati visited the 2014 AGM as a guest and decided to join the same day..



Board Candidate Kevin Doyle and CI Member Thomas Bartold



CI Members Avonell Blevins and Mary George



CI Member Magalie Beauregard taping the 2014 meeting presentations.



The new Standby Kit on display





Great attendance at the 2014 AGM, including a number of guests interested in learning more about cryonics.



It's a tie! Board Candidates Steaphan B (L) and Kevin Doyle (R) tied at 83 votes apiece - the first tie vote ever in CI's history.



Long Life Executive Editor York Porter



CI Member Steven Lepstz and his wife Alice.



CI Member Richard Pennington poses with the cryostats.



Dennis Kowalski and David Ettinger



Board Candidate Stephan Beauregard



Andy Zawacki, CI Chief of Operations, conducts a facility tour for interested guests.



Aschwin DeWolf's presentation on cryonics research



CI President Dennis Kowalski, CI Chief Investment Officer Joe Kowalsky and SA President Catherine Baldwin



CI Member Lee Raver poses with former CI President Ben Best



Annual Immortalist Society Meeting Report for 2014

By: York W. Porter - Immortalist Society President

The annual meeting of the Immortalist Society was held on Saturday, September 6th, 2014. The meeting was held through the courtesy of the Cryonics Institute, at the CI facility, which is located in Clinton Township, Michigan. York W. Porter, President of the Immortalist Society, called the meeting to order just after the finished business meeting of the Cryonics Institute.

After the meeting was called to order, the general history of the Immortalist Society was explained to the group assembled. IS began its existence as the old Cryonics Society of Michigan way back in the 1960's. It started as a full-fledged cryonics organization with the intent of the preparation and storage of patients, but it later changed its mission to one of education and research. The educational part of the organization is carried out primarily through the publication of the magazine *Long Life* as well as through the use of a website. Both of these activities have as their main objective the furtherance of the basic concepts and objectives of cryonics and the distribution of accurate and up to date information about the subject and of the various organizations involved in the field of cryonics.

In addition, it was pointed out during the meeting that the Immortalist Society has a long-standing interest in research that is related to the field of cryonics. It was explained by President Porter that IS research efforts were started up again and that, after some discussions were held with Aschwin de Wolf and Chana Phaedra through their Oregon based research company, Advanced Neural Biosciences, Inc., the IS research effort was back underway. It was noted by President Porter that the Immortalist Society remains very proud that it was instrumental in "jump starting" the efforts of these two fine individuals and their company through an IS/ANB research agreement a few years ago. The current work will be the continuation of what is hoped will be a very long and productive alliance between the Immortalist Society and ANB, Inc. in the field of cryonics.

It was stated by President Porter that, due to the absence of Secretary Royse Brown who was unable to be at the meeting due to being on business overseas, a Secretary's report would not be given this year. Treasurer Richard "Rich" Medalie then presented the IS Treasurer's report, a copy of which should appear in this edition of *Long Life* magazine (see page 39). Any questions or comments from readers may be sent to Mr. Porter at the e-mail address on page four of this magazine

Sadly, it was also noted that, once again, IS had received a painful blow in that its long standing Vice-President and former editor of *Long Life* magazine, John Bull, had been placed under the care of the Cryonics Institute. John had a health problem to arise that he just couldn't overcome which led to him being placed in cryonic suspension earlier in the year. It was noted by President Porter that although *Long Life* magazine has a "new look", if one paid careful attention, it was basically and fundamentally

built upon the foundations that John Bull had worked so hard to put in place. It was noted that it was well known that John's efforts on the publication were a "labor of love" and that the magazine was, and forever would be, in a certain sense, "John's magazine".

John's family was recognized. His daughter Debbie Fleming introduced both her Mom, Nevora, and her Aunt Flo, who were there in honor of John. All three were recognized by a heartfelt and lengthy standing ovation in honor of their attendance and in especially deep honor of the long time service of an outstanding member of the Immortalist Society, our friend and colleague, John Bull.

Long standing IS member Joseph Kowalsky was asked to give a report about a continuing project of the Immortalist Society, the Immortalist Society Organ Cryopreservation Prize. This prize effort, spearheaded by Mr. Kowalsky, consists of an effort to raise a minimum of fifty thousand dollars to be awarded to the first individual or group that is able to place certain mammalian organs at cryogenic temperatures and restore them to a working condition. Joe's report was well received by the members present and continuing efforts to advance what is know as the "Cryoprize" are in place. (For further information about the Cryoprize, please check out the IS website. Contributors thus far include the well-known television and motion picture actor, Mr. Leonard Nimoy of "Star-Trek" fame).

After asking if there were any further old or new business, of which there was none, Mr. Porter than pointed out that, due to the vacancy in the Vice-President's position, that a new Vice-President would have to be elected. Debbie Fleming, John Bull's daughter, very graciously agreed to serve, if it were the desire of the membership. There being no further nominations for this position, she was elected by unanimous consent. As regards the remainder of the officers, a motion was made to reelect the individuals who held the positions at the time of the meeting. This passed by unanimous consent as well. Officers of the Immortalist Society for the year 2015 are, therefore, as follows:

President York W. Porter

Vice Pres: Debbie Fleming

Secretary: Royse Brown

Treasurer: Rich Medalie

Before the IS annual meeting adjourned, Mr. Porter informed the people assembled that a social gathering which is now becoming a tradition of the annual meetings of both CI and IS was to be held later in the evening at the home of Jennifer and Joseph Kowalsky. It was noted that everyone was welcome to attend.

There being no further business of the organization, the meeting was adjourned sine die.



CI Investment Summary

By Steve Luyckx, CI Chief Business Officer



CI Chief Business Officer Steve Luyckx

At our annual meeting this past September, Steve Luyckx provided a summary of our investment performance for the most recent year (June 2013 – June 2014). Here are the highlights of his comments:

- CI takes a committee approach to help ensure no single individual has too much influence over investment direction or selection
 - This also allows CI to leverage the strengths of the committee members (Steve Luyckx, Joe Kowalsky, Pat Heller, Paul Hagen) who hold Bachelor & Master degrees in Finance, Accounting, Registered Financial Professional & decades of finance related experience.
- CI's portfolio of investments is extremely well diversified
 - Several markets around the world; no single currency, spread over
 - Stock / Bonds, Gold / Silver , Industry sectors & Global Markets
- Investment Objective is to "preserve" our capital (& achieve modest growth) under the most extreme market conditions
- Unprecedented year of results as all 46 investments showed positive growth from Jun to Jun (1% to 76% return)
 - This performance on an extremely well diversified portfolio is extraordinarily unusual and is almost certain NOT going to be repeated.
 - Investment performance plus additional funds added to investment accounts = \$940,000 (total \$4.4 million) ending Jun 2014
 - Prior year we only saw a net investment increase of about 1%

Market Summary

	U.S. S & P	China	Asia	Brazil	Gold/Silver
Last Year	+14%	-21%	-20%	-23%	-25%/-37%
This Year	+23%	+16%	+12%	+12%	+6%/+7%

* Standard & Poor 500 Index performance from Jun 2013 – Jun 2014

Cash Flow

After our annual meeting, a Committee member was asked why CI's Statement of Cash Flow shows negative investment performance. The cash flow statement tracks sources and uses of cash which has nothing to do with investment performance. This statement shows the net effect of changes in cash on hand, checking accounts, and cash balances with investment brokers. Any time CI purchases an investment that will show up as "negative" cash flow. Any time that CI sells any investment, the funds received are placed into bank account and shown as a "positive" increase in cash. Similar to investments, when CI pays its expenses that reduces cash and when CI receives revenues, memberships, or bequests, that increases cash. Here a simple example to demonstrate:

A new full member payment of \$1,250 is received and deposited into CI's checking account would result in an increase of cash of \$1,250.

If CI writes a check for \$1,250 out of its checking account to purchase an investment, that would result in a decrease in cash of \$1,250.

These two transactions together would have a net zero impact on cash. On the cash flow statement there would be a positive \$1,250 for memberships received and a negative \$1,250 for investments purchased.

** For CI's complete financial statements, please see Page 34*



ACS Annual Inspection of CI for 2014

By: York W. Porter

Over the span of September 5th and 6th, 2014, an inspection of the Cryonics Institute was carried out on behalf of the American Cryonics Society. ACS does annual inspections of cryonics facilities where ACS members are kept in cryonics suspension/storage in order to help further insure their safekeeping. In the interests of keeping readers fully informed, it should be noted that York W Porter, as a member of the Board of Governors of the American Cryonics Society, carried out the inspection on behalf of ACS and that Mr. Porter, the writer of this column, is both a CI suspension member and the President of the Immortalist Society. The Immortalist Society is the publisher of Long Life magazine, which, of course, you are now reading.

The Cryonics Institute operates out of a building that is located at 24355 Sorrentino Court, Clinton Township, Michigan. The building is located in a small industrial park. Clinton Township is a "suburb"/ is one of the many communities that are in the general region of Detroit, Michigan. The building itself continues to be well maintained and offers an appearance that is both somewhat utilitarian but also reasonably professional in its appearance, in consistency with its surroundings. It is a reasonably well-guarded facility with several security cameras which are readily noticeable on the outside of the building and which, thereby, should act as a reasonable deterrent to any intruders. Further, there were security stickers prominently in place to further deter any would-be vandals/wrongdoers.

Improvements noted in last year's report were still in place and well attended to and the appearance of the building was one of a well maintained facility which should give any evenhanded visitor the impression of a reasonably well run, albeit practical organization.

Once again, there was noted a bulk storage tank, which is used to hold a large quantity of liquid nitrogen, on the outside at the back of the building and which appeared to be in a good state of maintenance and working order. The original purpose of the purchase of this tank was to make sure that there was a reasonable backup of liquid nitrogen in the event that a problem should develop with the regular supply of liquid nitrogen to the facility. CI has also continued the practice of using more than one liquid nitrogen supplier to decrease the possibility that liquid nitrogen supplies should be a problem to begin with. The combination of the large bulk tank as well as an ongoing business relationship with more than one liquid nitrogen supplier adds a level of safety in avoiding what could otherwise be a basic difficulty in the provision of cryonics services.

At various times, a "walk through" of the facility showed that all of the facility and associated equipment appeared to be in good

working order. The cryostats continued to be in a neat and orderly arrangement. The "catwalk" which is used to provide ready access for refilling the cryostats with liquid nitrogen seemed to be sturdy and well maintained. All cryostats continued to be labeled which provided a professional looking appearance to this area.

No damaged cryostats were noted. Tools and equipment were readily at hand for repair and maintenance purposes and appeared to be in good operable working condition. The "cool down" box appeared to be well maintained. The number of cryostats that were on hand is seemingly sufficient in order to handle the every day needs of the organization as well as a sudden and unexpected influx of new individuals needing cryonics services.

The business license of the organization was properly filled out and properly displayed. During the CI annual business meeting, an extensive financial report was again offered. An individual with a broad and quite professional background in auditing and finances prepares this report. In addition, there are several individuals on the CI Board of Directors with a similar background, which helps to insure that the financial statements offered are reasonably accurate in their scope. This greatly helps decrease the likelihood that one significant mode of failure of many organizations, in and out of cryonics, the failure to pay adequate attention to the finances of the organization, is much less likely to occur.

It should be further noted that "spot checks" of CI finances at random times down through the years, by an individual on the CI Board of Directors who also has a significant background in finance, has revealed, to date, zero defects and/or irregularities in CI financial operations and records.

In summation, the annual inspection of CI indicated that the organization appears to continue to be a generally well run organization which is making reasonable efforts to prevent problems from occurring and one that also tries to improve itself as time and resources allow.

Of course, no type of reasonable inspections can offer absolute certainty that a particular organization is problem-free but the inspections of ACS, coupled with the internal controls and efforts at CI to monitor itself and to improve itself do give a reasonable level of assurance that no immediate danger exists to the individuals that have placed their trust in CI and that there is a reasonable likelihood that their continued long term care, at least for the foreseeable future, should continue unabated.



It should be noted that ACS is a totally independent organization from either the Cryonics Institute or the Immortalist Society and the responsibility for the contents of this report lies entirely with the American Cryonics Society. ACS wants to thank the management of the Cryonics Institute for its continued and unhesitating cooperation and for the kind and open assistance that it has offered to ACS down

through the years during these annual inspections. ACS also wishes to thank the Immortalist Society for its regular publication of these inspection reports as well as the attempts of the Immortalist Society to continue to provide accurate information on cryonics in general as well as on individual organizations within this field of endeavor.

New Advanced Neural Biosciences, Inc. and Immortalist Society Collaboration

By Aschwin de Wolf & Chana Phaedra

Part 1: Planned Research

Introduction

In August 2004 the Cryonics Institute announced a major change in protocol when it replaced its glycerol protocol with the vitrification agent VM-1. Unlike CI's prior cryoprotectants, VM-1 was designed to eliminate ice formation completely while keeping toxicity low. As a consequence, both major cryonics organizations, Alcor and the Cryonics Institute, now use vitrification agents. Unlike Alcor's M22 vitrification agent, the research that validated the use of VM-1 for brain cryopreservation has never been published in a peer reviewed journal (nor patented). We have agreed to conduct experimental brain research aimed at publishing these results in a reputable scientific journal, preferably a peer-reviewed publication.

This research will not just duplicate Yuri Pichugin's work but will build upon it, using more sophisticated methods such as slice and whole-brain electrophysiology to investigate the effects of VM-1 on neural viability. It will also build on the whole brain perfusion and blood brain barrier (BBB) modifier work that Yuri conducted prior to his departure.

In the period 2009-2012 we collaborated with Ben Best of the Cryonics Institute to identify a solution that is superior in cryoprotection of ischemic brains. We think we have identified such a solution but need to do additional viability tests (e.g., electrophysiology) to further validate this solution, VM-2. We also believe that it is possible to further improve on VM-1 without running into 21st Century Medicine's patent for M22.

Objectives

There are a number of distinct objectives for this research:

1. Validation of VM-1 by an independent research company
2. Employing advanced viability assays to establish the effect of VM-1 on the brain
3. Produce light microscopic and electron microscopic images of brains cryopreserved with VM-1 (or a superior alternative)
4. Alter the composition and introduction of VM-1 for lower toxicity and improved perfusion
5. Compare VM-1 against VM-2 (and variations thereof)
6. Publish research results in a reputable journal

Methods

The rat model will be used in all experiments. Cryoprotective perfusion will focus either on the whole body (to evaluate edema) or the upper part of the body to more specifically target the brain. After cryoprotective perfusion, the rat or isolated brain will be cooled to about -130°C (slightly below the glass transition temperature of VM-1).

Viability assays will include brain slice electrophysiology using a multi-electrode array (MEA) as well as whole brain electrophysiology (EEG). Hippocampal slices from brains cryopreserved with VM-1 will be placed on a 32-channel electrode array for simultaneous, real-time recording of extracellular electrical activity of neurons across the slice. Because hippocampal networks are well-characterized, neural function can be assessed not only by looking for the return of spontaneous spiking activity, but also by assessing a neuron's (or neural network's) response to a stimulus. An example is to look for maintenance of long-term potentiation (LTP), but there are several other electrophysiological parameters that the MEA makes easier to assess than a traditional, single-channel electrophysiology rig which



we look forward to exploring as a part of this work.

Whole brain electrophysiology will be performed with a telemetric (i.e., wireless) EEG system. Two electrodes are placed between the skull and the brain, which transmit electrical activity of the brain to a receiver where it is transduced to a waveform representing the integrated function of the whole brain. The return of spontaneous activity after cryopreservation and assessment of the EEG waveform are of great interest. A further modification of the EEG model will be to assess the ability of the whole brain to respond to a chemical stimulant in the perfusate after cooling, cryoprotective perfusion, and cryopreservation.

Histological studies will include light microscopy for assessment of gross histological structure and electron microscopy for evaluation of neural ultrastructure after VM-1 cryopreservation.

Experiments

The research will be divided between 4 distinct phases.

Phase 1: In the first phase we will set up our electrophysiology model (using a multi-electrode array (MEA)) and successfully recover organized electrical activity in cortical brain slices after cooling to 0°C.

Phase 2: In the second phase we will use MEA to recover organized electrical activity in cortical brain slices after vitrification with VM-1. If this objective is successful we will attempt to recover organized

electrical activity in cortical brain slices after perfusion of the whole brain and vitrification and unloading of cortical brain slices with and without agents to open the blood brain barrier (BBB).

Phase 3: In the third phase we will use the MEA model to compare VM-1 against alternative cryoprotectants including VM-2 and potential improvements to VM-1. We will also generate electron micrographs for the best cryoprotectants with the best viability readings.

Phase 4: In the fourth phase of the research we will seek to identify a reproducible protocol to maintain organized electrical activity in the whole brain (EEG) after induction of anesthesia and start of perfusion and oxygenation at normal body temperature. The primary challenge will be to identify a blood substitute that can meet the oxygen demand of the brain. Potential candidates include: heparinized blood, packed red blood cells, a low viscosity physiological solution saturated with oxygen, and perfluorocarbon emulsions. If and when we can consistently maintain organized electrical activity in the brain during perfusion we will use the protocol we have established to maintain organized electrical activity in the whole brain to recover an EEG (or evoked response) after induction of hypothermia. In the initial stages we will cool the rat to mild or moderate hypothermic temperatures without permitting cardiac arrest and then rewarm. In subsequent experiments we will further lower the temperature below cardiac arrest and ultimately down to 0°C and subzero temperatures.

In Part II we will review the progress that our lab has been made with this project to date.

Canadian TV Crew Shoots at CI



CI Chief of Recruitment and Social Media, Stephan Beaugard arranged a television shoot at the Michigan facility with a popular Canadian TV program this past November. Stephan, his wife Magali Beaugard, CI Chief of Operations Andy Zawacki, CI spokesman David Ettinger and Vice-President of Magnus Poirier Funeral Homes (Montreal), Patrice Chavegros joined the television crew on Nov. 22 for a two-day shoot about the Cryonics Institute. The one-hour program was broadcast on the popular prime-time Canadian TV show *The Mavericks / Frangs-Tireurs* at Tele-Quebec hosted by Ben Dutrizac on Jan 7 and repeated Jan 8 and 10. The episode presents a positive look at cryonics & the Cryonics Institute, hopefully sparking interest and new members!



Emergency Strategies: Smart Phone Apps for Cryonicists

By Dennis Kowalski - CI President

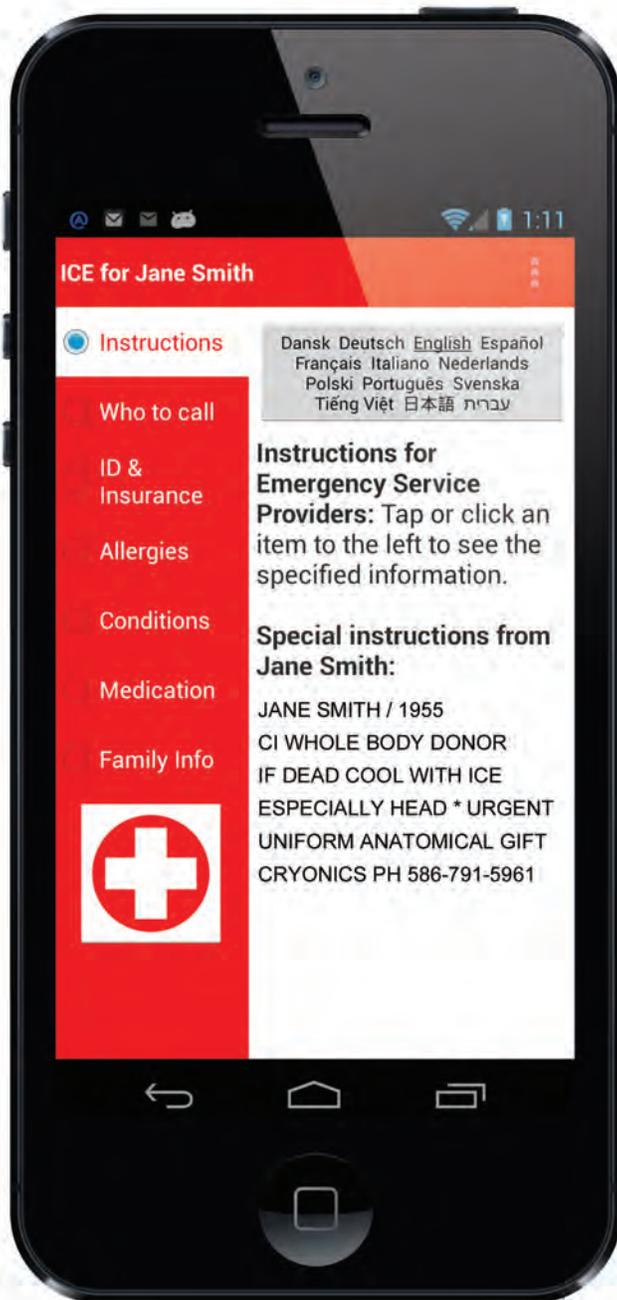
An idea that has seemed to be the “holy grail” of early notification is a type of wristwatch device that checks your pulse and would signal the Cryonics Institute or other contacts in the event of cardiac arrest. Such a device would monitor life signs, have warning pre-alarms, and an easy cancel for false alarms. It would show your GPS location and auto relay pre-recorded calls or texts to cryonics resources such as CI, friends, and family. It would be small, comfortable to wear and unobtrusive, as well as include a long battery life and low power alarm to let you know when to switch out batteries. As close as we are to these advanced early alert devices, we don't quite have it all together in one affordable package just yet.

In the meantime, we need to focus on other layers of protection and make use of the tools we have available now.



One tool we think will be a significant step forward is a cryonics smart phone app the Cryonics Institute is developing. The app will allow members to “check-in” with periodic alarms that must be acknowledged to let those connected to the app know you are safe and healthy. It's kind of like a “Life Alert” device, but in reverse. Instead of you letting the device know you need help, the device periodically asks if you're all right. If you don't respond to the scheduled alarm, the app assumes you are in trouble and can't respond, so it responds for you by automatically contacting a pre-selected list of emergency contacts to let them know you may need help.

We expect to launch the app early in 2015, but in the meantime, I urge members who have smart phones to consider tinkering and uploading a few free apps that might also help facilitate your cryonics efforts. One such app that I use is called I.C.E. (In Case of Emergency), which allows me to enter and display my personal medical history, medications and, more importantly, who to contact in case of emergency when I cannot speak for myself. I have the Cryonics Institute as a preprogrammed number along with other useful resources.



Here's a list of current phone apps that can be useful for cryonics early notification purposes. The Cryonics Institute app incorporates many of these features in a single app, but until that launches these individual apps are definitely worth checking out.



I.C.E. in case of emergency

<http://www.appventive.com/>

Personal Medical information quickly available for emergency situations.

For cryonics purposes, the standard CI cryonics bracelet info can be placed in the "special instructions" section of the app. This gives first responders or others critical information on who to call and what to do if you're hurt.



Life360 Phone Tracker (GPS and phone finder)

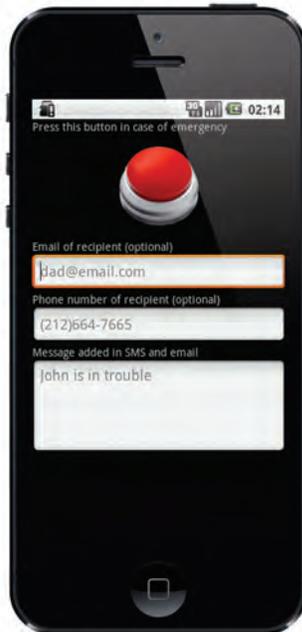
<https://www.life360.com/tour/>

To allow friends and resources to track you or to find a lost phone.

Emergency Button

<http://www.andluck.com/>

To signal an alert in an emergency, letting you know where you are (GPS) and text message select contacts if you need assistance immediately.



Battery Alert

<http://larryvgs.com/BNProBT/gallery.html>

To make sure you don't let your phone battery run down which would defeat the purpose of the apps listed.



These other apps can send out your GPS coordinates to friends in real time, act as an emergency panic button, alarm you when your battery is low or help you to find your phone if it is lost. These apps have obvious uses and utility for cryonics. Please explore these apps and let this technology work for you. For some of you it may be a good excuse to finally buy that smart phone you've been considering and upgrade to the 21st century!





The Prospect Of Immortality—Fifty Years Later *Cryonics In The Visual Culture*

By Patrick A. Heller

When *The Prospect Of Immortality* was originally published in 1964, visionary author Robert C. W. Ettinger was faced with a daunting task. He conceived of a technological capability, cryonics, which was many stages beyond the scientific capability of the times.

Further, if cryonics eventually resulted in the revival of rejuvenated and healthy humans that had once been considered dead, the entire religious, legal, and social structure of society would undergo a dramatic overhaul.

Now, fifty years later, there are people walking the planet who developed from embryos that had, for all practical purposes, ceased metabolism for a time while stored in liquid nitrogen. Livestock breeders now store semen in liquid nitrogen as a standard procedure.

But, to date, there has not yet been the successful revival of a human from cryonic suspension. Ettinger did not foresee this capability being possible by now. But, the 50th anniversary of the original publication of *The Prospect Of Immortality* is a good occasion to review progress that has been made toward 1) the technical possibility of human revival from storage in liquid nitrogen, and 2) the shift in societal mores and attitudes to accommodate cryonics becoming a practical technology.

I am not a scientific expert, so I will leave the technical discussion to others. However, I have been a consumer of the idea of cryonics as presented in the popular culture. So let me share how the idea of cryonics is almost becoming a mainstream idea in films and television shows.

The concept of viable cryonic suspension technology to enable long-distance space travel was a popular theme. However, as you review the list on the facing page, you can see that the idea of cryonics in cinema and television programs can form other plot elements.

As you can see, several of the top names in show business have been involved in a movie or television show featuring cryonics. By the time that Tom Cruise appeared in *Vanilla Sky*, it almost seemed

like any big name in Hollywood had a cryonics film or television show on their resume.

In the television shows, the episodes listed used cryonics as key parts of the story. The episode of *LA Law* is especially compelling as the story involves a woman with a degenerative disease who wishes to expedite her death so as to be placed in cryonic suspension in as good a condition as possible. In the course of the court hearing over her attempt to make those arrangements, many of the common objections against cryonics are brought up along with many reasoned points about the potential value of cryonics.

As I said, several of the movies and television shows simply used cryonics as a practical means for long-distance space travel. More than half of the productions on the list, however, used cryonics as a means to advance the stories for other purposes.

In general, the theatrical use of cryonics has been presented as a technological advance over current medical capability. In most of those listed, cryonics is treated as a well-established, routine, non-controversial practice. I'm sure there are probably a couple of horror films that are not listed that present cryonics as a nightmare. However, the overwhelming number of presentations of cryonics in cinema and television show it as a viable technology to be expected in the future. As such, these productions are helping to prepare the general public to be more receptive to the idea that cryonics could work someday.

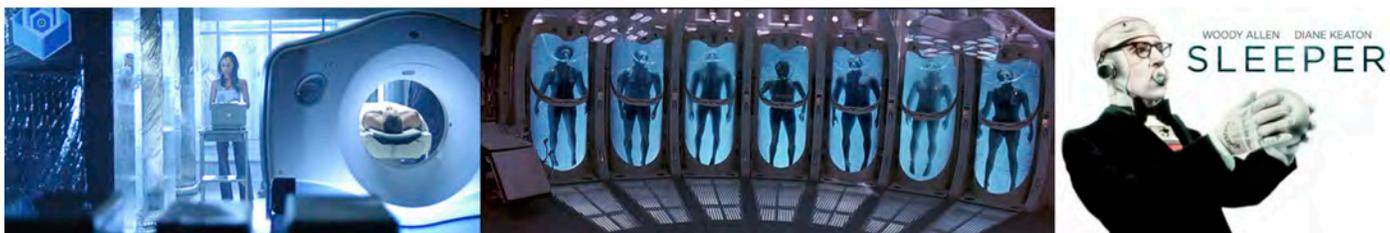
Have these films helped solve the technical problems for cryonics to be successful? Or have they done a good job of presenting possible future scenarios that might face those who are successfully revived? Sadly, no. There are some books that have explored the theme of what life might be like for those who are revived. Perhaps someone reading this essay may take up the task of creating a film or television show to explore this theme.

In the meantime, I suspect that Bob Ettinger appreciated all these appearances of cryonics in movies and television programs that happened during his own lifetime. May many more join the popular culture in the years to come.





Film or Television Show	Date	Major stars
<i>2001: A Space Odyssey</i>	1968	Kier Dullea
<i>Sleeper</i>	1973	Woody Allen, Diane Keaton
<i>Alien, Aliens, Alien 3</i>	1979-1992	Sigourney Weaver, John Hurt, Tom Skerritt
<i>The Empire Strikes Back, Return Of The Jedi</i>	1980, 1983	Harrison Ford, Carrie Fisher, Mark Hamill, Billy Dee Williams
<i>Miami Vice "The Big Thaw"</i>	October 23, 1987	Don Johnson, Philip Michael Thomas, Edward James Olmos
<i>Star Trek: The Next Generation "The Neutral Zone"</i>	May 16m, 1988	Patrick Stewart, Johnathan Frakes
<i>LA Law</i>	January 4, 1990	Corbin Bernsen, Susan Dey, Jill Eikenberry, Harry Hamlin, Jimmy Smits
<i>Late For Dinner</i>	1991	Peter Berg, Marcia Gay Harden, Peter Gallagher
<i>Forever Young</i>	1992	Mel Gibson, Jamie Lee Curtis, Elijah Wood
<i>Demolition Man</i>	1993	Sylvester Stallone, Wesley Snipes, Sandra Bullock
<i>Batman & Robin</i>	1997	Arnold Schwarzenegger, George Clooney, Chris O'Donnell, Uma Thurman, Alicia Silverstone
<i>Event Horizon</i>	1997	Laurence Fishburne, Sam Neill
<i>Vanilla Sky</i>	2001	Tom Cruise, Penelope Cruz, Cameron Diaz
<i>CSI: Miami "Deep Freeze"</i>	October 22, 2007	David Caruso



Society for Venturism End Death Convention 2014

A Very Brief Report by Mike Perry

INTRODUCTION

I was privileged to attend the Venturists' End Death Convention, held at the Riverside Casino Hotel in Laughlin Nevada, Nov. 7-9. Several often intersecting but still different strands of end-death thinking and initiatives were represented: cryonics, life- and health-extension, and transhumanism.

An event like this requires a tremendous effort. Especially to be thanked are David Pizer and Mark Plus, principal organizers, and Don Laughlin who furnished the location. About 100 people attended.

company, Advanced Neural Biosciences (ANB), whose main focus is cryonics-related research. One recent, significant finding at ANB is that brain structure is fairly well preserved for up to six months of cold, above-freezing storage. Next Jake McCurdy treated the audience to a movie giving a quick introduction to what people are saying about cryonics. Among the advocates was youthful cancer patient Kim Suozzi who was soon after cryopreserved.

First afternoon session, 1:30-3:00 p.m. Peter Voss opened with a presentation on artificial intelligence. The "strong" variety, Artificial General Intelligence, AGI, is not yet achieved but promises great advantages for us, properly managed, including help with cryon-



SUMMARY OF PRESENTATIONS

Approximately two dozen presenters gave their talks over a two-day period, starting Friday morning Nov. 7 and concluding the following Saturday evening. Due to space limitations only very brief summaries are possible here. Times are approximate, based mainly on the printed program.

Friday morning session, 9:35 a.m. - noon. After opening remarks by David Pizer, the first speaker was Cairn Idun, whose talk was on what you can do to optimize your chances of a good cryopreservation. It boils down to three considerations: time, temperature and technique. The next speaker, Chana Phaedra, informed us about her

ics. When available? 10-25 years, maybe. Lincoln Cannon spoke next on Mormon transhumanism. Not only are Mormons generally pro-technology, but there are Mormons who specifically favor its use to elevate humans into higher beings, Gods in effect. Mormons believe that God was not always God, and that persons can become Gods. Mark Plus then gave a talk on Robert Ettinger's anticipation of modern transhumanism in his book, *Man into Superman*, published several decades before the term "transhumanism" was widely used with its present understanding.

Second afternoon session, 3:30-5:00 p.m. Joe Kowalski started by talking about how to talk about cryonics to the public. Talk about familiar things first, organ transplants, for example. Ben Best then focused on a vital signs alarm system for cryonicists, to alleviate the



serious problem that often cryonicists live alone and are found “dead on the floor” for hours or days. Two units now available, the Nexus-5 and the Mio-Alpha monitor, deserve special mention. Mark Voelker then gave a talk on funding cryonics preservation. Inflation is an ever-present risk. Investing in precious metals over time could be a good alternative to life insurance.

Evening session, 7:00-8:00 p.m. David Pizer first spoke about why being a Venturist Member could help you get a better cryopreservation. One important benefit is the Backup Trust Fund to help rescue endangered cryonics patients. Another is the do-not-autopsy card which Venturists are issued. Aaron Drake then spoke about recent progress in the use of medical hypothermia and how that could make the public more receptive to cryonics.

Saturday morning session, 9:30 a.m.-noon. Charles Platt started by talking about work he did to develop a liquid ventilation system for rapidly cooling a patient, including possible clinical applications. 5 minutes only was needed for cooling that took 2 hours using the usual surface-only methods. Rudi Hoffman then talked about how to promote cryonics among the reluctant. Rudi recommended a book, *Crucial Conversations* by Stephen R. Covey, for a general approach. To fund cryonics he recommended indexed universal life insurance, which *can* counter inflation (though not hyperinflation). Neal Van De Ree next talked about the Church of Perpetual Life, an organization recently started by Bill Faloon to offer information and encouragement about life-extension and health-promoting products. Jordan

Sparks then talked about his newly-founded cryonics organization, Oregon Cryonics, based in Salem. It offers low-cost alternatives to conventional cryonics including brain-only cryopreservation and chemical preservation. John Hardee then presented a movie, *New*, which dealt with problems faced by a couple who are resuscitated after cryopreservation.

First afternoon session, 1:00 -3:30 p.m. Jason Xu opened this session by talking about “transhumanism as a salvation theology.” Jason has served as a community organizer for the Terasem movement, which emphasizes spirituality in transhumanism and friendly contacts with traditional religious groups. Maria Konovalenko next presented her group’s proposal to develop a gene therapy that will radically extend human life-span. This work would follow presently successful efforts with mice and the nematode worm *C. elegans*. Catherine Baldwin of Suspended Animation, Inc. then gave an update on current “field stabilization” care and discussion of future directions of this sort of care for cryonics patients. One anticipated development is the use of liquid ventilation to speed cooldowns. Mike Perry next spoke on religion and the scientific quest for immortality. Does religion have a place in a world and a future where death is to be conquered scientifically? If suitably construed, he says, definitely yes.

Second afternoon session, 4:00-5:00 p.m. David Ettinger spoke about growing up in a home where his father, Robert, was the main founder of the cryonics movement. “Humor [is] often the best way to
Continues on page 27

Joe Kowalsky’s 2014 Venturist’s Convention Speech

Remarks by Joseph Kowalsky

Transcript of the Cryonics Institute’s Joseph Kowalsky’s remarks at the annual conference of the Venturists in Laughlin Nevada November 2014.

Make it so!

Doing a better job communicating with the public, and how the Organ Cryopreservation Prize can help in many ways!

Mark Plus! I will forget my notes up here as I did last year – please do not throw them away! [to audience:] He is very efficient. In fact all of the people who are working on this conference are – they deserve a round of applause for all of their hard work!

It is about 3:30 here, which is 6:30 back home and that is usually my nap time. I hope that you have an easier time staying awake during my talk than I will!

My name is Joseph Kowalsky. I have been involved with the Cryonics Institute since 1981 and on the Board of Directors for about 20 years.

I am going to speak for only about 15 minutes because I know how long my attention span is! After that I would be happy to answer questions.

INTRODUCTION:

The Cryonics Institute was founded in 1976 by Robert Ettinger “the father of Cryonics” based on the idea that we are doing a public service as well as working on our own behalves. We want to be an “ambulance to the future” for as many people as we are able to. All of us now involved with the organization are volunteers with the exception of one full time paid employee and one part time employee. However, we have a large endowment - and no debt - to add to our employment rolls if necessary. David Ettinger will likely speak more about CI and there is information on our table by the window – and of course feel free to speak with me one on one. Our website is www.cryonics.org.



We regularly meet with the media from around the world. There have been articles and news stories about Cryonics and the Cryonics Institute in the media of several European, Asian, North American and South American countries as well as in Australia, and CI has been featured in several documentary or other films. But – whether CI or Alcor or another Cryonics organization -- what do we say? Is it something that people will hear?

One thing we neither say nor believe is that we are trying to raise the dead. One of our members “died” in a shopping center parking lot about 18 years ago. He was revived with a defibrillator and lived for another 16+ years. Had this happened to him even five years earlier the store would not have had a defibrillator and this story would likely have had a different ending. Although I said that he “died” in the parking lot, we know today that he was not really dead yet. (Like the guy in the Monty Python movie! “Bring out your dead!” and they haul a guy out who says “I’m not dead yet!” “He’s almost dead!” “No I’m not!”)

I like to tell the story of someone who died of a heart attack in the 1800s. You are out for a walk in the past and see him lying on the street and the doctor of the time just said “he’s dead Jim!” Fortunately you brought a defibrillator on your walk and you run up and start to do CPR and try to use electric shock to restart his heart. They see you kissing a dead guy, pounding on his chest and making the body jump with electric shock! It is gruesome! They arrest you for desecrating the body! Because as far as they know, he is dead. Today we know that he may not have actually been dead. He may be screaming to us in silence “I’m not dead yet!” We just need to hear him. We say in honesty and humility that we are ignorant: we do not know when death occurs. The best we can do in some cases is to try to keep the person in stasis, to keep the body as it was when the heart stopped beating and the breathing stopped, so that perhaps a doctor in the future may say that the person was not dead after all!

I mentioned earlier that Cryonics Institute was founded by Robert Ettinger. Anyone who knew this visionary also knows that he was a brilliant, kind, giving . . . curmudgeon. He was a pragmatic scientist with no interest in, or patience for, glitz or glamour. His message appealed to US, but not to the bigger audience – just as most people do not read a scientific journal.

I want to close my introduction by reiterating something I said before: We are ignorant. We do not know when someone is truly dead. When someone’s heart stops, when disease damages the body beyond what we can now repair, when illness overtakes our medical skills and a person lies silently on the bed the person may be screaming to us in silence “I’m not dead yet!” I think - and now I speak for myself only - that it is an affront to God to pronounce and declare that without question the person has died. We have seen

too much in the past 40 years of organ transplants, heart bypass surgery and defibrillators to have the hubris to say that. And so we do what we can.

Ok so there was my introduction. (I apologize to those who were here last year as much of that was a repeat of what I said then.)

Audience participation time: Has anyone here heard of the internet? Why? I think that it is because the world wide web has good stuff on it! How about some examples of that good stuff please [audience responds with several things]:

Cartoons, college classes, financial information, conspiracy theories, news, pornography, family histories, TV shows, numismatic information, . . . Ok, so who here has in the past 5 years used the internet to access (note all of those things)? Nobody. Or at least very few. Why? Because we have different interests.

I am an economics major. I find discussions about the elasticity of demand fascinating! How many people know what that means? If I talk about that, people’s eyes would glaze over. Language can itself feel threatening to people even if the topic of discussion might interest them. They might want to discuss ways to try to restore a sick person to health but would never want to discuss freezing a corpse.

My wife is a Jehovah’s Witness and they have learned over the years to talk to people about things that interest their audience. I do not mean pandering to people but rather talking about important issues that are of interest to the person you are talking to. They found that people don’t want to discuss God or religion – “hey, wanna spend a few hours discussing God and what you need to do?” Yeah, maybe not. But they do want to discuss their relationships, fear of death, the world at large, crime, their garden, etc. That grabs them! [Here I read a few titles from the Jehovah’s Witnesses’ AWAKE Magazine on those topics.] Now you have something.

I often feel like saying to people who refuse to consider cryonics: you stupid person why the heck will you take a pill from your doctor that has potential side effects of making your legs fall off and your eyes melt – without a question?! But you will not even consider cryonics! (I am not telling people to stop taking their meds, by the way, just commenting on the blind acceptance of some things and the blind rejection of others.) But if I talk with people in that manner – or worse yet, dismiss them without talking with them at all – what do I achieve? At best . . . nothing. At worst, I reinforce the negative feelings that they have toward Cryonics.

So, what do we learn:

- 1) use language that people understand and are comfortable with.



- 2) Discuss things with people that they want to discuss.
- 3) Be positive.

Here is a comparison of negative vs positive. We have seen the results of each.

First a negative example - Gaza (and these are just recent examples that I saw not intended to cast aspersions or kudos on any particular people – there are good and bad examples from all peoples). They could use building materials to build schools, hotels to attract tourism, bomb shelters. Instead they use them to build tunnels to attack. Their leaders are doing a disservice – to put it mildly – to their own people.

Now a positive example which I recently learned of. The first talk of the new leader of the Lubavitch Hassidic sect in 1951. Now this was a time when the knowledge of the Holocaust was just becoming widely known – a time when it would have been easy and understandable to talk about the jungle we live in, the terribleness of the world, anger, hatred, negativity. His first talk was about how we live in a garden my beloved! (Song of Songs). Not an easy thing, but what you need to do if you are a true leader. He believed that our job is to make the world a better place. And that starts out by being positive.

- 4) Talk to people who have open minds. Who are those people? It could be anyone – depending on the topic!

I heard a comment last year from someone running the Google science fair, “14 year olds are too young to know that things cannot be done so they do them.” Make presentations in schools. Give grants for kids to come into the facility. Have classes at the facility. For the past several years the science class from a Catholic school has been coming to CI annually for a lecture on cryonics! I was recently asked – with enthusiasm – if I would speak at a Jewish school.

- 5) And this is a key -- talk with EVERYBODY! Truly successful people have generally gotten there by getting up every time they got knocked down. Jehovah's Witnesses have a huge growth rate because they talk with everyone.

How do we do these 5 things?

The Cryoprize -

The Immortalist Society, publisher of this magazine, has established

the Cryoprize. It is a prize for the first person or group that successfully freezes and restores to full function one of several mammalian organs. It will make organ transplants safer, less costly and more available. A heart, for example, must be transplanted within 6 hours or it is no longer viable. This demands huge costs for transportation, fast action, and loss of several donated organs.

[At this point, the audience viewed the three minute Cryoprize Video which is on Youtube.]

The video is in a language that people understand. It is positive. Nearly everyone supports organ transplants and / or knows someone who had or needs one. People have open minds to this. WE can spread it to everyone! And, of course, it is a stepping stone to cryonics research and to cryonics acceptance.

There are two ways something can go viral:

- 1) it is funny or somehow touches people or
- 2) hard work by a small group spreading it to everyone they know!

Supporting organ transplants touches people. And WE are the small group that can spread this!

My nephews are singing stars – but in the small nitch of Hebrew Pop Music. My parents talk with EVERYONE about them (I should do better) and have sold THOUSANDS of their CDs. They think it important not just because these are their grandchildren but because the money goes towards their education AND the music brightens people's lives!

So, do we sit here and talk amongst ourselves and have a good ole time? Or do we make this work – not just scientifically but societally?

During the week that I was writing this talk I had 3 funerals. We need to enjoy life but also work hard to make this happen. I know people who will need cryonics soon -- but will not consider it because we have not proven its viability. We need to get the CryoPrize out there - it is acceptable to the masses, to the general world of scientists and to cryobiologists in particular. Remember what Aubrey deGrey said about the circle of acceptance!

If people like something they will encourage the government to fund it. If there is government funding, many scientists will study and promote it. If it is widely studied and promoted, the media will mention it – and generally positively. And then more people will know about it and view it positively. And the circle will continue to build on itself. Cryonics is not in that circle of acceptance. Organ transplantation is!

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Hello!!! What About My Reanimation?

By Jim Yount, Governor, ACS

It may seem surprising that the cryonics organization don't have much in the way of planning for what is to take place at the other end of the tunnel. That is because so little is known as to what, if any, reanimation techniques will be developed and what they may cost. On the other hand, just because such projection and planning is difficult, does not mean we should not TRY. We can also allocate funds NOW that are intended to be used for reanimation and future life of our patients, even though we don't know how much may be needed. There is certainly no reason to believe reanimation will be free, or paid for by the government!

The American Cryonics Society (ACS) encourages members to provide funds above and beyond what is required by the Cryonics Institute, in its role as a long-term patient care company, or by Suspended Animation, Inc. for its initial cryopreservation. There are a whole host of problems that may plague us in our quest for ultimate reanimation and happiness for frozen folks. Solving such problems will cost money.

ACS recommends that members provide at least \$15k over the anticipated CI and Suspended Animation costs. A considerable number of members have cryonics trusts intended to make far more than this minimum available for future reanimation, new life funds, and to support research.

The Asset Preservation Group, under the leadership of Cairn Idu, has taken on the task of guiding cryonicists to safeguard and pass-on their money to their future selves, principally by setting up cryonics trusts. However, the participants in the group have had little to say as to how much funding is really needed, though all agree that "more is better!"

Individual cryonicists can ignore the problem of reanimation funding and hope that their individual cryonics organizations will solve it for them, or that rich people will donate. That seems to be mostly what they have done.

If people want to be a bit more proactive in anticipating such other-end-of-the-tunnel costs, how do they proceed? As discussed above, the mechanism for squirreling away your money through trusts or funds has been studied by both ACS and the Asset Preservation Group, among others. That does not mean that any present method of trying to take your money with you will be problem-free. As all cryonicists know, mankind was just not meant to cheat death, and current laws were not designed with the happily reanimated cryonicist in mind! Regardless of not having all possible problems

anticipated, scores of people now have individual cryonics trusts, or instructions in their wills, to take some of their personal fortunes with them, and to support cryonics research along the way.

How much funding for reanimation and new life expenses should we make available? Most of us don't want to be overly generous with our future selves. After all, this great experiment we call cryonics may not work, and there are plenty of good causes that can benefit from donations.

We begin this discussion by admitting that it is very difficult to come up with meaningful estimates of the costs of reanimation, and what is needed as a new life fund, but suggested that we should make a start at such estimation.

Eric Drexler, famous for his work in nanotechnology, once told this author that he believed the cost for reanimation of frozen humans would be very cheap. He likened the use of nanotechnology to revive a frozen human to the production of cars in Detroit. The tooling up technology to produce the first car of a particular model is very expensive, but once the first car comes off of the assembly line, the cost per-car of that model is fairly low because of the large number of car produced.

Assuming Eric's assumptions are correct that human reanimation will be very cheap, how cheap is cheap? If we look at medical costs to apply a new procedure as an example, those costs can be quite high because the costs of the hospital and doctor are high for any sophisticated medical procedure. Since nanotechnology may be closer to engineering than medicine, perhaps the cost to produce machines is a better example.

Consider the present costs of a good laptop computer, to be \$2,500. A cheap-model new auto can be had for about \$22,000. Let's average the two and use \$12,250 as an example of averaged costs for two present day sophisticated machines. Now let's assume that this sum is invested with the intention of using it to pay for future reanimation. If our investment income exactly equals inflation and investment expense then \$12,250 in inflated 2114 (or whatever is the reanimation year) dollars would be available to pay for reanimation. Provided Eric's predictions are true, and my guess that present-day machine costs are a good present-value estimate of future reanimation costs is also true, then we have solved our problem. Put \$12,250 away into a trust or fund and you have a paid-in-advance reanimation plan in place! If you are optimistic enough to believe that your trust or fund can beat inflation, then the \$12,250 to be



invested can be reduced considerably.

Estimating the amount needed as a New Life Fund, while difficult, seems easier than estimating reanimation costs. Look at your present costs of living and figure out what principal sum, when invested, will generate your present cost of living income at, say, 5% return on investment. So, if your current cost of living is \$60,000 per year, you would need \$1.2 million dollars to provide the \$60k yearly.

So, put \$1.2 million plus \$12,250 into a reanimation trust and sleep well tonight! If return on investments equals inflation and expense of investment, then that sum, in inflated 2114 dollars, will be waiting for you.

There is a reasonable expectation that the people investing your reanimation fund can beat inflation a bit, so the future may not seem as bleak as these numbers suggest for folks who don't quite have the \$1.2 plus million to squirrel away.

The purpose of this exercise is to demonstrate that the question of how to calculate future reanimation costs and future life costs need not be completely imponderable. Also, that it is a good idea for the present "you" to invest SOMETHING now for the future "you." Regardless of how much of a wild guess coming up with future reanimation and new life costs may be, they will NOT BE ZERO, and nothing invested, compounded at any interest rate still equals nothing!

Joe Kowalsky's Venturist's Speech *Continued from page 25*

Go to Youtube. Search for Cryoprize. Donate \$10. Send the link to everyone you know. Tell them that you donated and that it is a really really important issue. Explain – very briefly -- why it is important to them: virtually everyone is in favor of organ transplants; we want to make them safer, less costly, more available. And convince them to share the link! Give \$10? And it is tax deductible and so is really equivalent to maybe \$7 or \$8? Most people can afford that.

But most importantly, the idea, the excitement will spread.

I mentioned my parents' promotion of their grandchildren's music. They would tell someone about it. And the person would often say something like, wow, that's great, I will look for it on line or when I am next in the store! And my Mom would immediately pull a CD out of her purse. My Dad would right away grab one from his coat pocket.

Don't wait, because you will forget. Take out your phone, be rude to me, do it now! We have a great opportunity to help society and to help ourselves. Take ten minutes and do it now!

Venturism Convention *Continued from page 23*

be effective, I learned from my father." After the talk, Robert Nelson in the audience said, "he was the kindest, most courageous, loving human being I ever met in my life." Roen Horn then gave a brief talk on his new startup group, the Eternal Life Fan Club. "My motto " he says, " is 'don't die'."

Evening session, 7:30-9:00 p.m. Don Laughlin first talked about his experiences in life and answered questions from the audience. "I love to work," he says, and attributes his financial success to this interest. He also thinks cryonics has better than 50-50 odds of working if done well, and has chosen this option for himself. A noted cryobiologist then presented his work with pigs showing good brain preservation under varying conditions including ischemic insult. Based on his work, there is reason to conclude that cryonics is a rational pursuit, even if problems persist.

Sunday morning session, 9:15-11:30 a.m. This was a circle discus-

sion with input by all attendees. We talked mainly about how to make cryonics better and get more people to sign up. Ideas ranged widely, some focusing on technical and others on social issues. A few highlights are all I can report here. Peter Voss said it was really important to have growth, and has been involved in trying to reach "deep pocketed" individuals. Ben Best said the main problem with cryoprotectants today is toxicity. Dan Crevier noted cryonics was an idea whose time has not yet come, so we need to reach the small minority who are receptive. Jordan Sparks wanted to cut expenses and "make the barrier to entry very low." Cairn Idun noted that we need more women in cryonics. Mike Perry advocated an outreach to people who cannot afford even low-cost cryopreservation (chemical is better than nothing).

In all the Convention appears to have been a great success, with much media attention omitted for lack of space. Tentatively, the next one will be in 2016 in view of Alcor's planned conference in 2015.





Robert Ettinger: *The Legacy Continues*

Robert Ettinger's Views On Some Of The Human Factors In Advancing Cryonics

Introduction by York W. Porter, President of the Immortalist Society

Robert Ettinger was always keenly aware that cryonics couldn't be sold only on the basis of its own merits. Regrettably, if logic and reason were all that were necessary to win a position of merit, then cryonics would have been an up and going and widespread phenomena back in the 1960's when Mr. Ettinger first proposed the idea. The fact remains that, in any human endeavor, very human and, therefore, "not always based on reason" factors come into play. It's a story as old as the human race itself.

In an April 1984 issue of The Immortalist (the name of Long Life Magazine back in those days), Mr. Ettinger delved into a few thoughts on some of the reasons cryonics had not grown faster. This article, now thirty years old, still shines and is useful in general, if not in the particular, in trying to help figure out how to advance this life-saving venture.

No Enemy But Time *By: Robert Ettinger*

In seeking reasons for the slow sales in cryonics, some of our people have tried to blame a variety of human enemies, individual and institutional. There is occasional merit in these identifications, but I think not much.

Pogo, of fond memory, said "We have met the enemy, and he is us." In our case, it is not so much that we shoot ourselves in the foot--although that sometimes happens too--as that we just aren't very good at what we do, and we have the wrong people doing it.

Put in a slightly different way, some of us have blamed the slow sales in cryonics on the stupidity of the potential customers. On one level, this is factual, but for a salesman to blame the customers is only a complaint and not a tactic; the tactic must be to use the customer's stupidity, or somehow to avoid his blindspots and antagonisms.

In this loosely organized rumination, let me first try to show that some of the attitudes and institutions we sometimes blame are really not very important.

One fairly frequent false identification is religion as enemy. It is easy to see how this could come about: on talk shows, and in the press, religious objections to cryonics seem fairly prominent, and we easily recall the ordeals of Galileo and the like. But this is mostly froth and false analogy.

After all, there are both religious and non-religious cryonicists. We have not been actively opposed or denounced by most major denominations. Nor have we been embraced by atheists at home, nor by the atheistic cultures of Russia, China, Viet Nam, Albania, etc. Humanists and Freethinkers ignore us just about as much as Christians (although not as much as Moslems). In other words, our acceptance has been tiny among the religious and the non-religious alike, and the variation in tininess seems very important.

Admittedly, this by-the-numbers analysis leaves out some serious considerations. For one thing, the inertia often associated with religion could find expression, not as active hostility, but in the general cultural background. For another thing, while our opponents are largely quiescent now, it will be a different matter when we begin to grow more rapidly; smoldering resentment could conceivably burst into flame.

Nevertheless, it seems apparent to me that our main problems have little or nothing to do with religion. For example, consider the February, 1984 issue of Freethought Today, in which biologist William H. Sperber says: "As Freethinkers we realize that death defines life. Immortality would be infinitely boring. Without death, there would be no life." This is an atheist talking, not a Christian or



Jew, and he doesn't say, "I know..." but rather, "As Freethinkers, we know..."

It's easy enough to poke fun at statements like this. One wonders what "infinite" boredom would be like. One wonders how he knows immortality would be boring: As Mark Potts asks, "Vas you dere, Sharlie?" One can toy with the logic of no-life-without-death, which seems to equate with no-death-without-death. And most of all, of course, one wonders why an aversion to infinite life should equate with a desire to depart promptly on the current schedule.

We can ridicule the weaker intellects, or the weaker arguments on either the religious or nonreligious scene, but where's the sport or profit in that? When a position is manifestly stupid, there is a strong indication that its foundation is emotional, not logical; hence no amount of argument alone is likely to change it, although there could be borderline cases.

In any case, there is one straight-forward way to convince ourselves that neither religious fanatics nor any other enemies constitute our main problem. It is only necessary to look at the failed sales which should have been easy.

Bob Brakeman has told us of his near-miss with Adolf Zukor, who was very old, very rich, and not at all religious. Look at some of your own relatives. Look at some of mine--nonreligious Jews, modern, flexible in many respects, well-to-do and often vaguely sympathetic--yet most of them have taken no action and given us no support.

We think we know many of the psychological reasons for this strange reluctance, some of them obvious and some rather subtle; but I'll not go over this ground again, because in most cases there is no direct way to remove these mental blocks--least of all by rational argument. These difficulties, and all others, could easily be swept aside by a leadership that fired the imagination and inspired confidence. We have never had that kind of leadership.

A while back, I was criticized for failing to realize, in 1962 and 1964, that writing books was not enough and that we needed organization. In fact, I did realize very clearly the need for organization, and did what I could to help the Life Extension Society, The Cryonics Society of New York, and others as they emerged. I didn't offer myself as a leader at that time for the same reason I delayed so long in writing books: I considered myself poorly qualified, and was confident that someone better equipped would soon come along. The ideal leaders--people of substance, repute, and charisma--never have appeared. Instead, we have had to make do with a bunch of amateurs, leading shaky organizations.

This is not a criticism of past or present leaders, to whom which is owed, including profound respect. (The wreckage of some of their

lives is strewn on the backtrail.) We have come a long way with very little, and this is cause not for regret, let alone despair, but for confidence.

We have some detractors, including several of the older members of the Society for Cryobiology, but they are midgets. We have some built in opposition, including those individuals and institutions bound by inertia or twisted by psychopathology. Nevertheless, we have actually implemented the greatest revolution in human history--albeit so far on a tiny scale--and to date nobody has been lynched. Legal attacks have been mounted against us in New York and California, but without success. The Cryonics Institute in Michigan has a charter (Articles of Incorporation) stating plainly that WE FREEZE PEOPLE IN HOPE OF EVENTUAL REVIVAL, and we are allowed to operate in the open. (When you're not even persecuted, it makes you almost ashamed to be a revolutionary).

The task ahead is not really difficult. All we have to do is win to activism those who are already sympathetic, or potentially so, and who have the money. The number of these in the U.S. is at least in the tens of thousands, probably in the hundreds of thousands, and possibly in the millions; and these numbers will grow.

If civilization endures, the progress of science will make the merit or our program more and more obvious, so that we will grow, and eventually dominate, even if we just keep on doing what we're doing. If we do it better, we'll grow faster. If--or when--we are joined by big talent and big money, we'll grow explosively.

In short, we have no human enemies of consequence, and from the standpoint of the movement there is no major problem, barring catastrophes; our destiny is manifest. Even from the standpoint of our younger individuals, the outlook is pretty good: with a little luck, you'll drink the wine of centuries unborn.

From the standpoint of us older people, however, it must be admitted there is a bit of a problem. Time works in our favor after we're frozen--we can wait as long as necessary for the technology to catch up, assuming stable organizations and societies--but between now and deanimation we are working against time. To build the organizations into adequate stability and efficiency, and in some cases to build our own financial resources--well, we have not the least room for complacency. We have no enemy but time, and we don't need any more.



♥ SWIVEL ♥

♥♥ Singles Week In Vegas for *Extended Life* All Ages Welcome! ♥♥

8 Full Days, Saturday - Saturday, July 25 - August 1, 2015

Request Registration Form (early registration discounts - by Oct 31) & Detailed Flyer at: SWIVELclub@aol.com

SWIVEL offers a special incentive for **WOMEN**.

Why a Special Focus on Women? ♥♥

Men outnumber women throughout the various levels of the life extension community. SWIVEL would like to reach out to those women who share a serious interest in the science of extending life. And yes, men are also invited. We just want to even out the playing field.

What Are These Levels of Life Extension? ♥

1) Squaring the Curve. The standard path is to be born, enjoy a vigorous, healthy period and then start to deteriorate until death. Those seeking to square the curve wish to take advantage of evidence based medical and technological science to *stay* healthy and vigorous right up until the end. It's called "Health Extension." This is **the largest level**.

2) Extend the Maximum Lifespan. Currently, the maximum human lifespan is about 120 years. Some individuals are going further and looking to evidence based science and technology to extend this period to 150 years or 200 years or..... Their goals vary. This is the **next largest level**.

3) Indefinite Lifespan. The **smallest group** seeks an indefinite lifespan. Some call themselves immortalists. They also look to evidence based science to conquer all diseases of aging. Some have made arrangements to be cryo-preserved should they deanimate (legal death) before mankind conquers death.

Incentive for Women ♥♥

An extended flyer is being sent to relevant organizations. It is our hope that one or two women from each will say, "Yes, that's me." All women receive a 50% discount. The regular price is \$800 for 8 full days. Women will be charged \$400 (includes a daily buffet lunch).

Early registration discounts until October 31. ♥

Program ♥♥

Our program will run from 10 am to 6 pm each day and will break for a healthy buffet lunch from 1pm - 2 pm. This is Vegas and we know that you just might be up late.

Unstructured events alone do not actually lead to everyone getting to meet those with whom they might have a shared interest. Therefore, several getting acquainted exercises, introductions and breakout groups have been designed to maximize your chance of meeting the "right" date, friends and colleagues. Evenings are unstructured. We will provide announcements for those who wish to organize specific evening events. "Everyone who wants to.....meet here..... atpm."

SWIVEL ♥♥

a device joining two parts so that one or both can pivot freely

Come look around.

WHY A FULL 8 DAYS ? ♥♥

SWIVEL's goal is very specific. We want to reach those individuals who identify with maximizing their healthy lifespan *at any level* and then help them to meet each other. Community support follows.

SWIVEL wants more than brief introductions. We want *enough time* for you to ask *YOUR* questions in a no pressure environment. We want *YOU* to have *enough time* to actually get to know each other - *enough time* to decide if you wish to spend *more time* getting to know someone. We want to be *effective*.

Healthy lifespan enthusiasts generally want to find a like minded partner.

WHY VEGAS ? ♥♥

Easy to reach. Lodging to fit every budget.

LODGING ♥♥

Our event site, The Orleans, is offering these attractive rates for single or double occupancy until 6-24-15. Resort Fee = \$12.99. Taxes = 12%.

Sunday through Thursday. \$41
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Search "Vegas lodging" for additional sites.



Please Request your Registration Form (early registration discounts until October 31) & Detailed Flyer at: SWIVELclub@aol.com



Options for Safe, Secure and Legal Asset Preservation for Post-Resuscitation Access

The Sixth Annual Young Cryonicists Gathering

**Teens & Twenties 6 2015: Getting to Know You -
You Getting to Know Each Other - All While Being
Updated On the Latest Scientific Research**

Fri-Sun; April 24-26, '15 Las Vegas NV Host: Life Extension Foundation SCHOLARSHIPS AVAILABLE

★★

Greetings to *Young Cryonicists*,

You are receiving this invitation because you are among the future leaders in cryonics.

All attention will be focused on:
our getting to know you and
you getting to know each other.

PLUS: an update on the latest emergency response technologies and revival strategies.

Who is Eligible?

Fully signed up young cryonicists from all cryonics organizations aged 13-30 as of March 27, 2015 - may apply to attend. Cryonicists aged 12-17 must be accompanied by their parent(s) or guardian. In Vegas those under 21 must room with someone over 21.

Parents/guardians of attendees aged 18-19 are also encouraged to accompany their child. All attending parents will be put in touch with each other should they choose to have their own "get together" during the "young cryonicists" gathering.

Program

Some individuals are social butterflies. This is not so for everyone. And we want everyone to meet everyone. Therefore, I have designed a diverse range of "getting to know you" activities. If you would enjoy participating in these various getting acquainted activities, all while being updated on the latest scientific research, then this is for you.

Enjoy this exciting & fulfilling weekend.

SCHOLARSHIPS:

Life Extension Foundation, through a generous education grant, is offering 40 scholarships that pay for ALL of the following:

- ◆ U.S. airfare to/from Las Vegas (or up to \$1000 for origin outside the U.S., \$1350 for Australia)
- ◆ Hotel accommodations for Friday and Saturday nights. Plus Thursday and Sunday for attendees who room together.
- ◆ Meals and beverages on Friday night, all day Saturday, & Sunday breakfast & lunch
- ◆ Registration fee - \$350 - also covered

For a complete registration packet, please email:

kmarkell@lifeextension.com

Forever,

Cairn Erfreuliche Idun
Founder/Director: T2

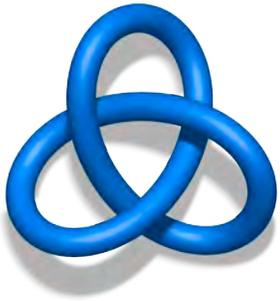
Bill Faloon: The Life Extension Foundation

Some attendees to T2 enjoy spending extra time in Las Vegas - especially since their flight is already paid for via their scholarship.

This is at their own expense for additional food and lodging.

We look forward to getting to know you.





Final Thoughts

York W. Porter - Executive Editor

“Knights...”

“In days of old, when knights were bold...” goes the beginning of many a joke or rhyme. Like most young boys of my generation “back in the day”, the portrayal of knights was one that interested me. I spent, as a child would tend to do, many hours daydreaming that I was with Sir Galahad and the Knights of the Round Table as they sallied forth to do battle to save a damsel in distress or engage in some other uplifting and noble task. The regularly produced Hollywood versions that I was exposed to via television or the, now sadly closed, movie theatre in my hometown only just reinforced the thought of being a knight as an exciting and noble adventure. Many were the times that my friends and I would play in our neighborhood with our “swords” made of two pieces of wood nailed together (and, if we were really lucky, painted silver for more “realism” in our “filled with pretend” world).



Like in many, if not all childhood daydreams, the reality of being a knight wasn't quite like we thought it was. This isn't uncommon in lots of things. A documentary I once saw had an interview with a now old man who was, in many years prior, a young pilot of World War I fighter planes. He talked about how that, after training and actually arriving in the combat zone, as he put it: “You found out that it wasn't all fun like you thought it was going to be”.

And it was the same thing in being a knight. Portrayed by Hollywood as always handsome (at least the “good guy knights” of the “silver screen” were), and always ethical and respected, the reality was, as in our modern days, they were, at bottom, just people with all the strengths and weaknesses that modern day people have. As the saying goes, “There is nothing new under the sun.”

And day-in, day-out life wasn't exactly a lot of fun either. A French knight by the name of Geoffroi de Charny, way back in the 14th century, described the life of a knight as being a life where one has to “endure heat, hunger and hard work, to sleep little and often to keep watch”. Charny went on to talk about the other “fun” things in a knight's life, from being afraid when seeing the enemy approach (there's a little detail Hollywood left out), to having to watch other people killing each other, your friends lying dead all around you, and being, at bottom, unable to do anything about all of it. Not exactly the sort of life one would wish to have, at least from our modern perspective. It undoubtedly took some sort of courage in order to endure the brutal life that a knight was subjected to on a regular basis.

In the courage department, I'm much like a relative of mine who is sadly now deceased. He jokingly described how, as an American soldier during the Battle of the Bulge in World War II, he showed “the



true family colors". Chuckling all the while, he said that when he came upon the first group of German soldiers he had ever seen on the battlefield, he turned around and ran the other way as fast as possible! That's probably the kind of knight or soldier that I would have been. I'm sure I might have enjoyed the "wine, women, and song" of the times between battles but all the getting maimed and killed stuff just doesn't seem cut out for a fellow like me to have to contend with.

So, why did the knights do it? Well, many of them were born into it as their father was a knight and they were expected, as frequently happens today, to follow in the family business. Others were fighting for loot and/or land and/or any other thing you can think of that a mercenary fighter would do battle for. But some were fighting because they believed in the concepts of chivalry and the code by which they lived. In a time that was much more primitive than today, that was something that could understandably make the day-in, day-out burdens of one's life be much, much easier to bear. You were, in short, living for some sort of ideal, however imperfect, and dedicating yourself to that ideal. Those ideals of long ago have, to some degree, continued to resonate with us down through the ages. And it was all due to a group of people who believed in them and dedicated themselves to those concepts.

And it is that way with cryonics. It is a concept where the very long-standing problems of sickness and death and aging are not, as they are today, perceived to forever be the routine lot of millions of individuals. It's a concept of the use of technology to ultimately rise above pain and suffering as well as the heartache that comes when one loses a loved one. Like in the belief of some knights, it's an attempt to make this world a much better place. It is, in short, a concept people can live and work for, just as the concept of chivalry motivated knights to risk life and limb centuries ago.

One way you can help is just to continually pass the word among those who know and respect you. People are, in the final analysis, motivated by their beliefs. Politely share your beliefs and help to motivate them to our cause. You can be a "knight" on behalf of cryonics.



Statement of Assets, Liabilities and Fund Balance

resulting from cash transactions - December 31, 2013

	<u>General Operations</u>	<u>Contract Prepayments</u>	<u>Patient Care</u>	<u>COMBINED TOTAL</u>
ASSETS				
Current Assets				
Checking accounts	130,997.54		0.00	130,997.54
Savings/Paypal accounts	442.27	0.00	0.00	442.27
Total Current Assets	131,439.81	0.00	0.00	131,439.81
Property, Equipment, And Other Assets				
Land	62,500.00			62,500.00
Building	236,596.36			236,596.36
Building improvements	175,430.54			175,430.54
Cryostats	409,192.63			409,192.63
Laboratory and office equipment	83,362.87			83,362.87
Furniture	1,299.00			1,299.00
Subtotal	968,381.40	0.00	0.00	968,381.40
Less: allowance for depreciation	(712,424.98)			(712,424.98)
Total Property, Equipment and Other Assets	255,956.42	0.00	0.00	255,956.42
Investments				
Cash balances in investment accounts		8,849.10	239,894.89	248,743.99
Investments, at current market value		921,425.71	1,906,612.32	2,828,038.03
CDs, at current market value		738,066.71	0.00	738,066.71
Total Investments	0.00	1,668,341.52	2,146,507.21	3,814,848.73
<p>Note: Prepaid cryopreservation fees received before March 31, 2004 were recorded as income. After March 31, 2004 prepaid fees were recorded as a liability. All are refundable, pre-mortem. As of December 31, 2013, the remaining total of prepaid fees received before March 31, 2004 was \$372,724.77. This amount is in addition to the Refundable Prepaid Contracts liability below.</p>				
TOTAL ASSETS	387,396.23	1,668,341.52	2,146,507.21	4,202,244.96
LIABILITIES AND FUND BALANCE				
Liabilities				
Withheld and payroll taxes	3,728.02			3,728.02
Payments received on behalf of IS	0.00			0.00
Refundable Prepaid Contracts	0.00	1,004,912.15		1,004,912.15
Total Liabilities	3,728.02	1,004,912.15	0.00	1,008,640.17
Fund Balance				
Contributed capital	2,418,301.85	546,414.86	698,276.72	3,662,993.43
Accumulated balance (deficit) 12/31/12	(1,859,598.63)	47,394.17	1,179,688.45	(632,516.01)
Net revs (exps) year ended 12/31/2013	(70,578.43)	151,053.16	82,654.64	163,129.37
Rounding adjustment	(2.00)	0.00	0.00	(2.00)
Transfers	(104,454.58)	(81,432.82)	185,887.40	0.00
Total Fund Balance	383,668.21	663,429.37	2,146,507.21	3,193,604.79
TOTAL LIABILITIES AND FUND BALANCE	387,396.23	1,668,341.52	2,146,507.21	4,202,244.96



Statement of Revenues and Expenses

resulting from cash transactions for the year ended December 31, 2013

	<u>General Operations</u>	<u>Contract Prepayments</u>	<u>Patient Care</u>	<u>COMBINED TOTAL</u>
REVENUES				
Cryonics services	211,919.11			211,919.11
Research grants	2,905.00			2,905.00
Dividends	0.00	27,237.37	41,797.56	69,034.93
Interest	0.00	21,227.52	0.67	21,228.19
Long term capital gains			307.40	307.40
Loss on disposition of asset	0.00		0.00	0.00
Net gain/(loss) on investments	0.00	102,588.27	40,549.01	143,137.28
Total Revenues	214,824.11	151,053.16	82,654.64	448,531.91
EXPENSES				
Advertising	11,374.53			11,374.53
Bank charges	5,336.70	0.00	0.00	5,336.70
Cryogenics	26,475.50			26,475.50
Cryonics services and supplies	25,814.54			25,814.54
Depreciation	51,605.92			51,605.92
Facility supplies and services	1,299.96			1,299.96
Insurance	19,658.09			19,658.09
Interest	0.53			0.53
Legal and professional services	901.20			901.20
Maintenance and repair	6,187.71			6,187.71
Office supplies and services	7,449.67			7,449.67
Penalty	12.60			12.60
Pension	8,529.00			8,529.00
Research and development	1,334.48			1,334.48
Salaries and wages	87,385.00			87,385.00
Taxes	15,766.15			15,766.15
Telephone	5,039.92			5,039.92
Travel	2,111.61			2,111.61
Utilities	9,119.43			9,119.43
Federal Corporate Income Tax	0.00			0.00
Total Expenses	285,402.54	0.00	0.00	285,402.54
Operating revenues over (under) expenses	(70,578.43)	151,053.16	82,654.64	163,129.37



Statement of Cash Flows

resulting from cash transactions for the year ended December 31, 2013

	<u>General Operations</u>	<u>Contract Prepayments</u>	<u>Patient Care</u>	<u>COMBINED TOTAL</u>
Cash Flow From Operations				
Net revenues (expenses)	(70,578.43)	151,053.16	82,654.64	163,129.37
Add back non-cash expenses and revenues:				
Loss on disposition of asset	0.00			0.00
Depreciation and amortization	51,605.92			51,605.92
Total Cash Flow From Operations	(18,972.51)	151,053.16	82,654.64	214,735.29
 Cash Flow From Other Sources				
New memberships	118,987.16			118,987.16
Bequests received	114,169.60			114,169.60
Fixed asset purchases	(6,500.72)			(6,500.72)
Decrease in amounts owed to IS	(79.00)			(79.00)
Increase in withheld and payroll taxes	414.43			414.43
Increase in contract prepayments-net	0.00	58,346.77		58,346.77
(Increase)/Decrease in CDs		(46,947.47)	0.00	(46,947.47)
Other transfers	(104,454.58)	(81,432.82)	185,887.40	0.00
Rounding adjustment	(2.00)	0.00	0.00	(2.00)
Decrease/(Increase) in investments		(139,994.60)	(407,515.49)	(547,510.09)
Total Cash Flow From Other Sources	122,534.89	(210,028.12)	(221,628.09)	(309,121.32)
 TOTAL INCREASE (DECREASE) IN CASH	103,562.38	(58,974.96)	(138,973.45)	(94,386.03)
 Changes In Cash Accounts				
Checking accounts	103,120.11	0.00	0.00	103,120.11
Savings/PayPal accounts	442.27	0.00	0.00	442.27
Cash in brokerage accounts		(58,974.96)	(138,973.45)	(197,948.41)
 TOTAL INCREASE (DECREASE) IN CASH	103,562.38	(58,974.96)	(138,973.45)	(94,386.03)

Statement of Assets, Liabilities and Fund Balance

resulting from cash transactions June 30, 2014

	<u>General Operations</u>	<u>Contract Prepayments</u>	<u>Patient Care</u>	<u>COMBINED TOTAL</u>
ASSETS				
Current Assets				
Checking accounts	107,911.22		0.00	107,911.22
Savings/Paypal accounts	966.73	0.00	0.00	966.73
Total Current Assets	108,877.95	0.00	0.00	108,877.95
 Property, Equipment, And Other Assets				
Land	62,500.00			62,500.00
Building	236,596.36			236,596.36
Building improvements	175,430.54			175,430.54
Cryostats	447,695.48			447,695.48
Laboratory and office equipment	83,362.87			83,362.87
Furniture	1,299.00			1,299.00
Subtotal	1,006,884.25	0.00	0.00	1,006,884.25
Less: allowance for depreciation	(734,285.98)			(734,285.98)
Total Property, Equipment and Other Assets	272,598.27	0.00	0.00	272,598.27



Investments				
Cash balances in investment accounts		63,551.44	413,194.03	476,745.47
Investments, at current market value		1,044,334.07	1,994,280.20	3,038,614.27
CDs, at current market value		911,776.81	0.00	911,776.81
Total Investments	0.00	2,019,662.32	2,407,474.23	4,427,136.55

Note: Prepaid cryopreservation fees received before March 31, 2004 were recorded as income. After March 31, 2004 prepaid fees were recorded as a liability. All are refundable, pre-mortem. As of June 30, 2014, the remaining total of prepaid fees received before March 31, 2004 was \$372,910.61. This amount is in addition to the Refundable Prepaid Contracts liability below.

TOTAL ASSETS	381,476.22	2,019,662.32	2,407,474.23	4,808,612.77
LIABILITIES AND FUND BALANCE				
Liabilities				
Withheld and payroll taxes	3,183.89			3,183.89
Payments received on behalf of IS	60.00			60.00
Refundable Prepaid Contracts	0.00	1,175,519.25		1,175,519.25
Total Liabilities	3,243.89	1,175,519.25	0.00	1,178,763.14
Fund Balance				
Contributed capital	2,497,641.79	464,982.04	884,164.12	3,846,787.95
Accumulated balance (deficit) 12/31/13	(1,930,177.06)	198,447.33	1,262,343.09	(469,386.64)
Net revs (exps) 6 months ended 6/30/2014	17,103.44	17,504.53	217,840.35	252,448.32
Transfers	(206,335.84)	163,209.17	43,126.67	0.00
Total Fund Balance	378,232.33	844,143.07	2,407,474.23	3,629,849.63
TOTAL LIABILITIES AND FUND BALANCE	381,476.22	2,019,662.32	2,407,474.23	4,808,612.77

Statement of Revenues and Expenses

resulting from cash transactions for the six months ended June 30, 2014

	<u>General Operations</u>	<u>Contract Prepayments</u>	<u>Patient Care</u>	<u>COMBINED TOTAL</u>
REVENUES				
Cryonics services	162,697.01			162,697.01
Research grants	200.00			200.00
Dividends	0.00	12,962.08	10,229.85	23,191.93
Interest	0.00	3,986.89	0.25	3,987.14
Long term capital gains			13.71	13.71
Loss on disposition of asset	0.00		0.00	0.00
Net gain/(loss) on investments	0.00	555.56	207,596.54	208,152.10
Total Revenues	162,897.01	17,504.53	217,840.35	398,241.89
EXPENSES				
Advertising	17,532.17			17,532.17
Bank charges	2,919.82	0.00	0.00	2,919.82
Cryogens	18,410.59			18,410.59
Cryonics services and supplies	6,166.72			6,166.72
Depreciation	21,861.00			21,861.00
Facility supplies and services	1,410.22			1,410.22
Insurance	8,906.37			8,906.37
Interest	0.00			0.00
Legal and professional services	1,007.32			1,007.32
Maintenance and repair	0.00			0.00
Office supplies and services	2,852.25			2,852.25
Penalty	0.00			0.00
Pension	4,530.00			4,530.00
Research and development	3,989.58			3,989.58



Salaries and wages	43,228.00			43,228.00
Taxes	3,434.75			3,434.75
Telephone	2,688.50			2,688.50
Travel	846.17			846.17
Utilities	6,010.11			6,010.11
Federal Corporate Income Tax	0.00			0.00
Total Expenses	145,793.57	0.00	0.00	145,793.57
Operating revenues over (under) expenses	17,103.44	17,504.53	217,840.35	252,448.32

Statement of Cash Flows

resulting from cash transactions for the six months ended June 30, 2014

resulting from cash transactions
for the six months ended June 30, 2014

	<u>General Operations</u>	<u>Contract Prepayments</u>	<u>Patient Care</u>	<u>COMBINED TOTAL</u>
Cash Flow From Operations				
Net revenues (expenses)	17,103.44	17,504.53	217,840.35	252,448.32
Add back non-cash expenses and revenues:				
Loss on disposition of asset	0.00			0.00
Depreciation and amortization	21,861.00			21,861.00
Total Cash Flow From Operations	38,964.44	17,504.53	217,840.35	274,309.32
Cash Flow From Other Sources				
New memberships	64,342.27			64,342.27
Bequests received	119,484.25			119,484.25
Fixed asset purchases	(38,502.85)			(38,502.85)
Increase in amounts owed to IS	60.00			60.00
Decrease in withheld and payroll taxes	(544.13)			(544.13)
Increase in contract prepayments-net	0.00	170,607.10		170,607.10
(Increase)/Decrease in CDs		(173,710.10)	0.00	(173,710.10)
Other transfers	(206,335.84)	163,209.17	43,126.67	0.00
Decrease/(Increase) in investments		(122,908.36)	(87,667.88)	(210,576.24)
Total Cash Flow From Other Sources	(61,496.30)	37,197.81	(44,541.21)	(68,839.70)
TOTAL INCREASE (DECREASE) IN CASH	(22,531.86)	54,702.34	173,299.14	205,469.62
Changes In Cash Accounts				
Checking accounts	(23,086.32)	0.00	0.00	(23,086.32)
Savings/PayPal accounts	554.46	0.00	0.00	554.46
Cash in brokerage accounts		54,702.34	173,299.14	228,001.48
TOTAL INCREASE (DECREASE) IN CASH	(22,531.86)	54,702.34	173,299.14	205,469.62



Immortalist Society Treasurer's Annual Report

09-01-2013 to 08-31-2014

(Note: Some August 2014 Figures Were Not Available At The Time Of The Report And Therefore Not Included)

I. Beginning Balance	\$10,931.35
<hr/>	
II. Receipts	
Dues and General Donations	\$3,664.32
Special Research Fund Donations	
Cryoprize	\$6,658.81
ANB, Inc. Contracted Research Project.....	\$30,000.00
CI Payment for CI Member Subscriptions	\$12,705.25
Miscellaneous Receipts.....	\$950.46
<hr/>	
Total Receipts	\$53,978.84
<hr/>	
III. Disbursements	
Long Life Magazine Production and Postage	\$12,952.53
Bank and Transfer Fees	\$441.59
Miscellaneous Disbursements	\$657.43
Special Research Fund Disbursements	
Cryoprize	\$5,991.08
ANB, Inc. Contracted Research Project.....	\$15,000.00
<hr/>	
Total Disbursements	\$35,042.63
BALANCE (Total Cat. I Plus Cat. II) minus Cat III	\$29,867.56



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to uncover new and better ways to live longer, so you'll be around to take advantage of future medical breakthroughs.

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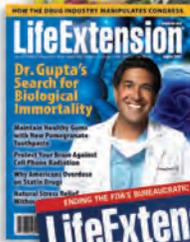
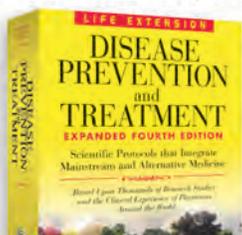
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