

AFTER INL WORDS

Fall 2021

www.inlretirees.org

PRESIDENT'S MESSAGE – Nancy Carlson, 208-523-9128, nancymcarlson@q.com

Hi from IREA! It has been a challenging twenty months since we have had a meeting. COVID has impacted all of us in small and huge ways. Because we are all seniors, the IREA board has had to carefully evaluate what activities we could provide. The Idaho Falls Senior Center, our meeting location, is open for limited public hours and only a few days a week. Proof of vaccination is required for anyone to enter the facility. Thus, IREA has taken the path of great caution and has not held membership meetings. The board held our first meeting in September 2021. After discussion we have decided to hold no activities in the 2021 and evaluate the future of the organization in 2022. As a result of that decision, the board voted to suspend the collection of dues until we can provide members the direction of the organization. In that many of you pay dues at technical meetings and social events, we have kept folks who last paid their dues in 2019 or 2020 on the membership rolls until we restart activities. All members who owe dues will receive a postcard to renew their membership by a TBD established date. Non-payment of dues by the TBD date will result in you no longer being an IREA member. Don't panic! You will have plenty of time to renew that membership when we send the card in 2022!!!

Be sure to include the 2022 retiree INL Human Resources (HR) points of contact and financial administration company, Northern Trust, in this newsletter with your important papers in case you need assistance. Please be mindful that INL is still practicing social distancing, so many employees are working from home. Leave a detailed voicemail message that includes your name and phone number or better yet send an email with that information. But please be patient with them considering these challenging times.

As 2022 starts I will leave the office of IREA president and remain as the membership chairman and website update person. As of the writing of this newsletter a new president has not stepped forward. It is time for new blood in the presidency as I have served as the chairman since 2013. Family health issues require me to step back from the leadership role. I have enjoyed serving as your president and look forward to participating in future IREA meetings as only the membership chairman.

Several IREA Board members have served in various board positions and capacities for many years and are stepping down. To ensure IREA remains viable as an organization, we are asking IREA members to consider becoming part of the Board and help run the organization. We want new thoughts and ideas on how IREA can be relevant to INL retirees. Please send an email to Nancy Carlson (nancymcarlson@q.com) and Tom Clements (thomas.clements1955@gmail.com) if you are willing to help.

2019-2022 IREA Board

NAME	FUNCTION	PHONE	EMAIL
Nancy Carlson	President (until December 31, 2021), Newsletter, & Publicity	208-523-9128	nancymcarlson@q.com
Gene Madsen	Acting Vice-President & Technical Meeting	208-520-6946	gene602be@gmail.com
Mimi Jones	Secretary, Newsletter, & Publicity	803-979-0643	mimijones65@gmail.com
Tom Clements	Treasurer	208-520-1708	thomas.clements1955@gmail.com
Nancy Carlson	Membership	208-523-9128	nancymcarlson@q.com
Ann Rydalch	Social & Energy Advocacy	208-221-6002	arydalch@msn.com
Beverly Bean	Historian	208-357-1845	mbofidaho@yahoo.com
Chuck Briggs	Program	208-521-9375	carbriggs@cableone.net
John Johnson	Investments	208-523-7406	jejohnson@cableone.net
John Flinn	Golf Tournament	208-523-7330	flinni@srv.net
Tom McLaughlin	Benefits	208-523-1481	tommac2230@aol.com

BENEFITS – Tom McLaughlin, 208-523-1481, tommac2230@aol.com

2022 HR CONTACTS FOR BEA AND FLUOR RETIREES

Contractor	POC	POC phone	POC email
BEA	HR – Jill Blanding	208-526-1042	Jill.Blanding@inl.gov
	HR – Eric Wittwer	208-526-0638	eric.wittwer@inl.gov
	Tamy Tolman		Tamera.Tolman@inl.gov
	Finance – Northern Trust	(866) 252-5395 general inquiries	See Finance details that follow
	Retiree’s Passing – Callie Stone	208-526-0352	Callie.stone@inl.gov
Idaho Environmental Coalition (IEC)	HR – Jenni Ackerman	208-533-3772	jenni.ackerman@icp.doe.gov
	Finance – Northern Trust	(866) 252-5395 general inquiries	See Finance details that follow
	Retiree’s Passing – Callie Stone	208-526-0352	Callie.stone@inl.gov

BENEFITS

BEA retirees with a Benefits question, but you are not sure who to contact: INL has set up a benefits-dedicated phone number you can use to reach a human or leave a voice message: 208-526-5500. A benefits-dedicated email box has been set up to which you can send a message, beabenefits@inl.gov. The e-message is read and directed by a human to the appropriate HR POC who can answer your inquiry.

IEC retirees with Benefits questions: Contact Jenni Ackerman at 208-533-3772 or send her an email at jenni.ackerman@icp.doe.gov if you have a IEC Benefits question.

RETIREE PASSING

BEA or IEC INL contact for retiree's family: INL has set up a dedicated phone number (208-526-0352) for your family to inform Finance and Benefits of your passing. Your family member will receive help answering their questions and guidance with any needed paperwork. Be sure to include this information in your important papers.

OTHER CHANGES YOU MIGHT NEED TO MAKE

Change to your USPS mailing address and phone number: INL has set up a website with the forms needed to make these changes. These forms are mandatory for legal purposes. You can find them at <https://inlcareers.inl.gov/retirees>. If you change your address or phone number, alert HR of those changes via written notification. Here is an additional resource to check if you need to make any of the changes mentioned <https://inlretirees.org/wp-content/uploads/2019/10/Benefits-Finance-important-facts.pdf>.

IF YOU ELECTED LIFE INSURANCE COVERAGE WHEN YOU RETIRED

General questions about life insurance should be directed to your HR point of contact.

Remember, when you retired, the insurance policy was a benefit you had to elect to take and pay for monthly from your pension check.

If you have no monthly life insurance premium deduction from your INL monthly pension payment, you DO NOT have this insurance coverage. If you did elect this coverage, the life insurance carrier is Prudential Insurance. They can be reached at [1-800-562-9874](tel:1-800-562-9874), and INL's group number is 44274.

Be sure to contact the insurance carrier if you need to change beneficiaries on your policy. Also include life insurance contact information in your important papers so the person handling your estate has clear guidance on this policy.

When you need to contact Human Resources (HR) we suggest that you:

- First send an email to beabenefits@inl.gov that clearly states your question – be sure to include your full name, email address, and phone number in the email text.
- You will receive an email response from an HR specialist detailing the answer within one (1) full business day (this does not include weekend days).
- If you have not received an email response after a minimum of one (1) full business day, call the POC's phone number and leave a voicemail message. In that voicemail explain that you have sent an email detailing your question.

Sending an email worked perfectly for an IREA board member when they had a question. In one business day they received clearly written guidance in the body of the email and an attachment containing the needed data!!

Background on Northern Trust provided by Tom McLaughlin, IREA Benefits Chairman

<p>Northern Trust now handles INL finance for retirees who receive a monthly pension payment. Contact information for Northern Trust follows:</p> <p>The Northern Trust Company Benefit Payment Services 50 South LaSalle Street, W-38 Chicago, Illinois 60603 Phone: 312-557-9700 Northerntrust.com/bppweb</p>	<p>Retirees with the pension plan can manage their personal information on file with Northern Trust such as:</p> <ul style="list-style-type: none"> • Mailing address • Banking Information • Federal Tax Withholding • State Tax Withholding • Access Paystubs • Access Tax Forms
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Background on Northern Trust: INL retirees should have received a letter in early March of 2021 from the INL Benefits and Accounting Manager outlining a change in how INL Retirement Plan benefits will be paid starting on May 1, 2021. The reason for this letter is that the existing pension software used by INL has become outdated and INL considered it more efficient to retain a secondary service provider rather than obtaining new software and continue as in the past. As stated in the letter, the services will be provided by Northern Trusts Benefit Payment Services. This division of Northern Trust presently provides payment services for US and Canadian companies for defined benefit plans, defined contribution plans, and non-qualified plans issuing over 1.4 million payments per month. There have been questions from retirees concerning any impact this will have on their retirement checks.

The new system used by Northern Trust will allow on-line access to individuals retirement account information, payment history and tax forms. This information will be available upon enrolling in the Benefit Payment Participant Web Passport at the web page “northerntrust.com/bppweb” after May 1. The web page allows one to update addresses, tax withholding (including State tax withholding that was not available in the past), bank information, and to request forms. Retiree benefits will be paid by Electronic Funds Transfer (ETF) if the retiree had opted for that in the past. If a check was mailed to the retiree in the past this will continue with Northern Trust. Included with every check will be a form that will allow changes for address, direct deposit information, and tax withholding although one can still access the Northern Trust web page and change personal information. Representatives are also available twenty-four hours a day to answer questions from plan participants at the numbers listed below. Once you have received your first payment, you can access the web page to register. The page will require you to know when you received your first payment and what the amount was in addition to other personal information.

INL Benefits and Accounting has cautioned retirees to review their retirement benefits after receipt of the first payment from Northern Trust, occurring on May 1, 2021, to ensure that it has not resulted in changes to previous elections. The letter stated there may be some changes to withholding due to calculation differences. To contact Northern Trust Company the address and telephone number given below should be used:

<p>The Northern Trust Company Benefit Payment Services 50 South LaSalle Street, W-38 Chicago, Illinois 60603 (312) 557-9700</p>	<p>Toll free telephone numbers for Northern Trust are:</p> <p>(866) 252-5395 - General inquiries concerning payment information (888) 259-6835 - Assistance related to enrolling in the web or password resets</p>
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2020 Annual Treasurer's Report*

*Normally, the treasurer's report appears in March newsletter, the traditional first newsletter of the calendar year. For 2021 the November 2021 is our first newsletter for the year.

Treasurer's Report for 2020 – Tom Clements, IREA Treasurer (208-520-1708);
(tclements@cableone.net)

A summary of the financial status of IREA as of December 31, 2020 is provided below. The 2020 income for IREA came membership dues and interest from savings. We were unable to hold the Spring Banquet (which generates income from the silent auction) due to Covid-19.

Revenue: Dues of \$1557.00 + Interest of \$4.62 = \$1,561.62

Expenses:

Category	Description	Amount
Communications	Newsletters (April 2020, Nov.2020); Website maintenance and domain name service fees; and March technical meeting postcard.	\$573.37
Technical Meetings	Hall rental; pizza; soda	\$0.00
Social Events	Spring Banquet and Summer Social (net expense)	\$0.00
Admin. Expenses	PO Box rental; Post Register subscription	\$317.00
	Total	\$890.37

Balances for the checking account and savings account, as of 12/31/2020 were \$4,382.85 and \$4,618.93, respectively, bringing total IREA assets to a value of \$9,001.78.

The Covid-19 pandemic had an impact on expenditures and likely impacted revenue and membership. Revenue decreased (approximately \$745) over 2019. However, expenses were significantly lower (\$2,084) than 2019. No technical meetings or social events were held in 2020. Communication costs continued to decrease due to 2019 IREA Board decisions to eliminate mailing hardcopy newsletters and post the newsletter on the IREA website. Administrative expenses were consistent with 2019 expenditures.

In summary, expenses were less than revenue for 2020. Had the 2020 technical meetings and social events occurred (assuming 2019 costs) our expenses would have slightly exceeded 2020 revenue by about \$175. The changes previously made by the IREA Board have brought expenditures more in line with revenue.

It should be noted, however, that 2021 revenue is currently 42% lower as compared to 2020. Board consideration of past dues collection, reaching out to inactive members, and means of attracting new members is needed to ensure revenue levels are sufficient to maintain organizational viability.

Fluor Idaho Accepted and Resolved Cleanup Challenges

When Fluor Idaho was awarded the Idaho Cleanup Project Core contract in 2016, the company inherited a mature cleanup program with a long list of successes.

Fluor Idaho was tasked with taking the program to the next level, tackling the most complex challenges. Over the last five years, management and employees accepted those challenges and exceeded expectations.

At the Radioactive Waste Management Complex, crews retrieved the last of the barrels and boxes stored at the Advanced Mixed Waste Treatment Project. The Treatment Facility's safety basis was modified to allow the treatment of high-activity wastes, reactive and pyrophoric materials, and radioactive sludge waste from the former Rocky Flats Plant.

Waste Management experts also tested and began operating a unique technology that allowed for the characterization of waste materials previously unable to be characterized due to their shape or placement in waste containers. This technology has allowed a large inventory of waste to be shipped to the Waste Isolation Pilot Project.

Lastly, the largest building at the INL Site, the Retrieval Enclosure, has been largely cleared of waste and equipment, and the asphalt floor is being removed and disposed onsite. This is an important first step at completing the mission at the RWMC.

At the Accelerated Retrieval Project, crews sized safely reduced large gloveboxes from the former Mound Plant that our customer initially deemed impossible to address. Also, at ARP sludge wastes have been treated, allowing them to be shipped to WIPP.

Exhumation crews at ARP IX are zeroing in on the last targeted wastes required to be removed under a 2008 record of decision. They have less than 0.1 acres remaining and will finish the work approximately 18 months ahead of schedule.

At the Idaho Nuclear Technology and Engineering Center, crews have doubled their efforts to treat remote-handled transuranic waste that may contain the reactive metal sodium. Fabricators and engineers modified an existing hot cell, which allowed for the opening of larger waste containers and disposition of additional wastes.

The Spent Nuclear Fuel Program, Operations, and others made significant progress on the spent nuclear fuel wet-to-dry campaign. The spent nuclear fuel basin at CPP-666 is 95 percent empty. Crews continue to transfer fuel from the basin to three INL Site locations. All EM spent nuclear fuel will be in dry storage by 2023 in support of the 1995 Idaho Settlement Agreement, 6 months ahead of that agreement's milestone.

Those supporting the Calcine Retrieval Project created a full-scale mockup of bin set #1 developed a bottom-up retrieval system, and continue to design and test retrieval equipment necessary to empty the bin set. This is the most progress ever on the calcine project and a major step toward retrieving all 4,400 cubic meters of calcine in support of the agreement with the state of Idaho.

After three successful demonstration runs at the Integrated Waste Treatment Unit, crews completed more than 50 modifications to the facility to prepare it for radioactive operations, and recently started a final 50-day simulant confirmatory run. Previously, IWTU operated for no more than six days before shutting down due to equipment failures. Due to the approach implemented by Fluor Idaho and the commitment of dedicated employees, IWTU is on the cusp of beginning treatment of 900,000 gallons of liquid sodium-bearing waste. After a decade of issues, the plant will start radiological operations in early 2022.

All Fluor Idaho's employees – whether engineer, waste shipper, administration support, or represented employee – share in the success of the cleanup mission over the last five years. Everyone accepted the challenges the program faced, completed their work with an outstanding safety and compliance record, and beat those challenges! They have set a high bar for the remainder of the cleanup mission.

The cleanup program is well-positioned for the future. With the continued expertise and dedication from the talented workforce, the Department of Energy will continue to meet its milestones and keep its commitments to the citizens of Idaho.

INVESTMENTS – John Johnson, 523-7406, jejohnson@cableone.net

Year-End Financial Issues

As we approach the end of 2021, a few items of concern to retirees should be reviewed. As mentioned in an earlier newsletter, the CARES Act of March 2020 temporarily suspended the required minimum distributions (RMDs) from retirement accounts [IRAs, 401(k)s] for 2020, in addition to providing the Economic Impact Payments (aka stimulus payments) to those who had filed tax returns for 2018 and/or 2019. However, RMDs are again required for 2021. The Economic Impact Payments provided under the CARES Act had no impact on tax returns for 2020, nor will such payments in 2021 under the American Rescue Plan Act of March 2021. As also mentioned in an earlier newsletter, the SECURE Act of December 2019 brought a few changes affecting retirees. The age at which retirees must begin taking RMDs has been raised to 72, beginning in 2021 due to the RMD suspension for 2020.

In view of the resumption of RMDs from retirement accounts this year, many retirees should consider the practice of making direct distributions from IRAs to qualified charities using the IRS allowance for qualified charitable distributions (QCDs). These QCD donations will continue to be tax-free distributions. However, the donors will continue to receive 1099-R forms from the IRA custodians showing these distributions to be potentially taxable. As in past years, the QCD donors must declare these IRA distributions to be non-taxable QCDs on their tax returns for 2021.

The standard deduction for tax returns in 2021 will again be larger than in earlier years. Thus, very few taxpayers will be able to itemize deductions. However, one continuing IRS allowance is for a deduction of up to \$300 (\$600 for couples filing jointly) in charitable contributions from the adjusted gross income for those claiming the standard deduction. Also, as in past years a few specific types of donations or money transfers can be of significant advantage to taxpayers on their state income tax returns. These include deposits into Idaho Medical Savings Accounts and Idaho College Savings Accounts, donations to educational entities (schools, public TV & radio), and donations to youth and rehab organizations (e.g., Idaho Youth Ranch, the ARC, and the Development Workshop). Donations to educational entities (must be in cash) and donations to youth & rehab organizations (cash or non-cash goods in sellable condition) can provide tax credits on the state return. Keeping receipts for these donations is important.

Several of us in IREA serve as volunteer income tax return preparers in the AARP Tax-Aide Program. The location for preparing tax returns next spring will again be in the new Boy Scouts building on south Yellowstone Avenue. Advance appointments will again be required. It's very important that all seniors file at least a federal tax return every year even if they don't have taxable income, to prevent identity theft. A simple tax return form for seniors, Form 1040-SR, can be used for this purpose.

'No Longer with Us' for November 2020 – September 2021:

Beverly Bean, 208-357-1845, mbofidaho@yahoo.com

The following lists our INL friends who passed away in November 2020 through September 2021. IREA historian, Beverly Bean, compiles this information from the Post Register (Idaho Falls), INL sources, and by calls from friends and family. If there are names you know we have missed, please contact Bev.

August 2020

Lowell Herman Frauenholz (83) passed away 8/31/20. He worked at INL as a Nuclear Engineer. (yes, 2020!)

November 2020

John Alvin Yeates Jr. (101) passed away 11/1/20. He worked at INL from 7/14/51-1/29/81 as an electrical engineer at the National Reactor Testing Station (now Idaho National Laboratory) west of Idaho Falls until retirement in 1981. His proudest achievement was succeeding in designing and managing the power line connection of a small nuclear-powered electrical generator to temporarily provide power directly to the town of Arco, Idaho in 1954. As part of President Eisenhower's "Atoms for Peace" program, this demonstration became an historic milestone that helped launch the nuclear power industry.

Dale Milton Teel (84) passed away 11/5/20. He worked at INL as a Mechanical Engineer.

Ray Charles Ruiz (60) passed away 11/6/20. He worked at INL in Security.

James Merle Priest (84) passed away 11/7/20. He worked at INL as a bus driver.

Leo Jacobs Rigby (86) passed away 11/10/20. He worked at INL until his retirement in 1995.

Jack Archibald Haslam Sr. (71) passed away 11/10/20. He worked at INL as a journeyman electrician.

William Palica (92) passed away 11/14/20. He worked at INL as a Chemical Engineer and Project Manager.

Darrell B. Staples (85) passed away 11/15/20. He worked at Argonne National Lab for 35 years, at the NRTF (EBR 2 area).

Sam Kelly Jr. (67) passed away 11/16/20. He worked at INL as a Chemist, also worked at Hanford in New York and Washington States in the early 1970's until about 1993.

Malcolm (Mac) David Carnes (82) passed away 11/16/20. He worked at Argonne National Lab for the majority of his 33-year career.

Earlen Lawrence Wade (85) passed away 11/16/20. He worked at INL as a Laboratory Technician, retiring in 2003.

Lloyd Ronald Makey (86) passed away 11/17/20. He worked at INL for many years, first as an electronics technician at the Advanced Test Reactor and later as various position in the Quality Control department.

Annette Merrill Bair (76) passed away 11/20/20. She worked at INL briefly as a secretary at AEC.

Ray Mortimer Perry (98) passed away 11/20/20. He worked at INL as a bus driver. He earned a safety award for having accumulated over a million accident-free miles on the daily trek to and from the desert. He retired after 30 years behind the wheel.

Paul Z. Miller (86) passed away 11/21/20. He worked at INL as a bus driver, retiring in 1995.

Douglas Jay Inns (64) passed away 11/21/20. He worked at NRF until his retirement.

Robert D. McCormick (89) passed away 11/21/20. He worked for EG&G in various Light Water Reactor (LWR) fuels research and Engineering Department programs.

Lyman 'Pete' Peterson Wilde (91) passed away 11/22/20. He worked at INL as a bus driver for 33 years, retiring in 1992.

Donnel Ray Weber (94) passed away 11/22/20. He worked at INL as a boiler operator.

Judie Corrine Gneiting Boltz (79) passed away 11/24/20. She worked at INL in an administrative job.

Ronald H. Bodily (92) passed away 11/25/20. He worked for various contractors at the Dept of Energy for 32 years.

Eugene 'Snuffy' G. Adams (85) passed away 11/25/20. He worked at INL at the Chemical Processing Plant for many years in Quality Assurance, serving as a Quality Control Manager.

Melvin Keith Nielson (82) passed away 11/25/20. He worked at INL beginning in the library, and retired 35 years later as a supervisor over the Chemical plant.

Norman Anthony Peterson (93) passed away 11/25/20. He worked for the Atomic Energy Commission.

Kenneth Feliciano (72) passed away 11/25/20. He worked at INL as a purchasing agent.

Louise Cook Allen (92) passed away 11/26/20. She worked and retired from INL.

Brent Dee Wartchow (66) passed away 11/27/20. He worked at INL as a machinist for over 35 years.

John David Tuttle, Jr (82) passed away 11/27/20. He retired from Safeguards & Security for nuclear facilities.

Vance Eli Spaulding (93) passed away 11/28/20. He worked at INL for 8 years as a secretary for the Chemical and Atomic Energy Commission.

Vinson Baledge (71) passed away 11/29/20. He worked as a reactor operator at Argonne National Laboratory.

December 2020

Michael Vargo (91) passed away 2/2/20. During his early career as an electrical engineer with the Westinghouse-Bettis Atomic Power Division in Pittsburgh, Pennsylvania he was involved in building the first nuclear-powered U.S. Navy surface vessels, the USS Long Beach missile-cruiser (CGN-9) and the USS Enterprise (CVN-65) aircraft carrier, the USS John F. Kennedy (CV-67), USS Nimitz (CVN-68), USS Dwight D. Eisenhower (CVN-69), and USS Robert E. Lee (SSBN-601). In 1970, he transferred to Idaho Falls to head the AIW Modification Project at the Naval Reactors Facility for the Atomic Energy Commission at the NRTS by Westinghouse. Mike transferred to EG&G working as manager of Test Reactor Technical Support, Power Reactors Special Projects Office, and Program Operations & Evaluation. He also oversaw Occupational Safety and Health Act (OHSA) at the site, the cornerstone legislation for workplace health and safety, and consulted in clean-up audits at Three Mile Island and Rocky Flats. He retired in 1995.

Robert S. Hope (89) passed away 12/5/20.

William 'Bill' Glen Miller (85) passed away 12/9/20. He worked at INL as a machinist, retiring in 1996.

Elmo Wayne Killian (78) passed away 12/11/20. He worked at INL as a Computer Software Engineer.

Kay L. Johnson (82) passed away 12/3/20. He worked for several groups during his time at INL – as an industrial safety engineer for ENICO and WINCO from 1981 until 1984, then for EG&G from 1985 through 1995 in Health & Safety, Performance Assurance Tech. Support, Science & Technology, and ES&Q Requirements. He wrote the safety manual on hoisting and rigging which is still in use today. He worked at INL for 30 years.

Louis LaMoyné Marsden (91) passed away 12/11/20. He worked for ENICO and WINCO in several organizations: Finance & Administration, Safeguards & Security, Security Projects, and Quality & Performance Assessment. He retired in 1996.

Larry Roland Watson (77) passed away 12/11/20. He worked at INL as a Project Manager, retiring in 2001.

William 'Bill' Hansen (82) passed away 12/12/20. He worked at INL on infrastructure development projects.

Brian Kent Morishita (71) passed away 12/13/20. He worked at INL for nearly 40 years. He was a business systems analyst, business systems manager, and financial planner for multiple INL organizations. From 1996 to 2012, he was the executive director of the Financial Management Systems Integration Council for improving government financial management effectiveness. Finally, he worked at the Center for Advanced Energy Studies on a team that reviewed and selected new and innovative proposals for cutting edge research. He retired in 2015.

Kerry Judy (54) passed away 12/14/20. He was a current employee of FLUOR, working at INL for the past 25 years.

Francis Harrison (83) passed away 12/14/20. He worked for Argonne National Lab for 10 years as a purchasing agent.

Donald Peterson Biggs (75) passed away 12/17/20. He worked at INL as a nuclear pipe welder.

Wayne Hanks (76) passed away 12/18/20. He worked at INL as a bus driver, retiring in 2017.

Dan B. Nielsen (58) passed away 12/19/20. He worked for FLUOR.

Cyril Kay Stowell (97) passed away 12/21/20. He worked at AEC as an industrial firefighter.

Lynn Ward Ball (79) passed away 12/20/20. He worked at INL as an engineer. He worked in ICPP Operations as a shift foreman and shift supervisor through the 1970s. He moved to the Hanford site in late 1978, but returned to INL in about 1981 and worked for EG&G in their Quality Control and Waste Management Programs groups at least until 1995.

Val Elbert Haddon (74) passed away 12/23/20. He worked at INL as a carpenter.

Dennis B. Schanz (73) passed away 12/23/20. He worked at INL (FLUOR) as a Health Physics Technician, Radiological Engineer, and Project Manager from 1983 until his retirement in 2009.

Delbert Gail Larsen (84) passed away 12/23/20. He worked at INL for 30 years, retiring in 1996.

Shirley Fielding Coffey (89) passed away 12/24/20.

Merlin Hyrum McAfee (78) passed away 12/24/20. He worked at INL as a Radiation Control Technician, retiring in 2005.

Lyman Cox Dye (88) passed away 12/25/20. He worked for 33 years at INL working at Argonne West from 1981 through 1992.

Carl Borrer (84) passed away 12/26/20. He worked at NRF as a Chemistry Manager.

Ben Lindsay (89) passed away 12/27/20. He worked at INL as an electrician from 1956 until his retirement in 1993.

Merceline Bel Pokibro Boyer (81) passed away 12/27/20.

Timothy Hobley (51) passed away 12/31/20. He worked at INL as a security guard.

January 2021

Wilmer Wayne Rogers (75) passed away 1/1/21. He worked at INL, EG&G at CFA.

Mark C. Pettet (58) passed away 1/2/21. He was an active employee of INL, working in Org J211.

Edward James Hallinan (77) passed away 1/8/21. He worked for EG&G from 1981 to 1985 in Tech Publications and from 1986 to 1987 for WINCO in their Safety Analysis group. He then worked for Savannah River (SRS) starting in 1988 and retired from SRS in 2009.

James Andrew Paul Dowalo (74) passed away 1/3/21. He worked at INL working in nuclear waste containment & later with Leak Testing Specialists. Many of those who worked with him considered him "a legend" in the field of nuclear leak testing. Jim holds a patent, with the Department of Energy, for an internal nuclear pressure sensor to aid in leak detection. Jim was honored with an award from the United States of America Department of Energy for his invention in 2010.

Harlan 'Harley' Fred Vollman (84) passed away 1/4/21. He worked at INL as a heavy equipment operator.

William A. Emel (80) passed away 1/9/21. He worked at the Chem Plant starting mid-1960's, working as a radiochemist. Later he worked in ENICO and WINCO, as the manager of the Radiochemistry Branch. He left INL in late 1984-85.

Richard R. Wright (91) passed away 1/10/21. He had a life-long and dedicated career working for the Department of Energy (DOE-ID) in Engineering and Construction Management. For most of that time he was Chief of the Reactor & Research/Energy Projects Branch.

Harold Don Gronbeck (85) passed away 1/11/21. He worked for GE-KAPL (Knowles Atomic Power Lab) but was stationed at TRA as the GE-KAPL sponsor's representative to the ATR experiments group. Both GE-KAPL and Westinghouse-Bettis had representatives at TRA monitoring irradiation testing of their fuel specimens in ATR. He retired in 1995.

Donnell Alan Shehane (61) passed away 1/11/21. He worked for FLUOR as a Training Specialist.

Roger Graham Young (86) passed away 1/12/21. He was employed by Combustion Engineering located in Windsor, Connecticut. The company sent him for additional training which led him to relocate to the National Reactor Testing Station in Idaho Falls, Idaho around 1959-60. In 1961, Roger was involved in the aftermath of a nuclear accident and was instrumental in the recovery of three bodies.

Kenneth H. Henry (79) passed away 1/16/21. Kenneth lived in Aberdeen, WA where he worked for Rayonier Inc.; Kennewick, WA where he worked for Rockwell/Hanford; and Idaho Falls where he worked for EG&G Waste Management (WM) from 1989 to 1995.

Mark T. Barnes (62) passed away 1/16/21. He worked at NRF for 20+ years as a journeyman painter.

Kerwin S. Pierce (63) passed away 1/17/21. Kerwin began his 30-year career working for the Department of Energy in 1989. His first job out of school was with EG&G-Energy Measurements at the Nevada Test Site. He transferred to Colorado where he worked at the Rocky Flats Environmental Technology Site until 2002. He retired from Fluor Idaho (INL) in May of 2019.

Emory 'Sam' V. Mobley (92) passed away 1/17/21. He worked at INL from 1959-1997, working at EG&G in a variety of groups – Thermal Fuels Behavior Programs, Power Reactor Programs, and Nuclear Safety & Engineering. Sam was in a work-study program at the White Sands Proving Ground, at New Mexico University. Shortly thereafter, the family moved to Washington state to the University of Washington work-study program at the Bomark project with Boeing aircraft. Sam obtained his Master's degree in engineering in 1959. The family then moved to Idaho in August 1959, where he was hired at the site, the AEC, as it was known then. Sam retired from INEL in 1997, after working nearly 40 years in his field.

Gordon W. Olsen (86) passed away 1/18/21. He worked at INL as an engineer for more than 40 years where he worked on control systems for nuclear reactors and worked on engineering projects for the space shuttle as well as data management systems at Hill Airforce Base.

Fred Pope (95) passed away 1/18/21. He worked for Phillips Petroleum in Borger, TX, and later transferred to Idaho until his retirement in 1983. He worked at EG&G from 1981-1985 in Water Reactor Research Test Facilities at TAN, and in Personnel Assurance Tech Support (PATS) in 1986.

Elmo Elias Keller (90) passed away 1/18/21. In 1957 Elmo began a successful career at INL, starting as a custodian and gradually working his way upward through the ranks with study and experience to become an efficient and well thought of Safety Engineer.

Richard Henry Cox (85) passed away 1/19/21. He worked at the NRF-S5G reactor plant for a few years (1964-68) while in the Navy, then worked at Argonne National Lab-West (ZPPR) until retiring in 1997.

Kim L. Duncan (65) passed away 1/19/21. She worked at INL as a compensation analyst, helping the lab reach their goals by putting her many talents to use bettering the organization and making strides in helping them hire the best minds.

Bruce L. Diehl (74) passed away 1/19/21. He worked for DOE-ID from 1981-1988, then EG&G in CFA Facilities & Maintenance (F&M) from 1989-around 1995.

Robert Donovan (76) passed away 1/19/21. He worked for ENICO and WINCO at ICPP.

Arthur Nolan (90) passed away 1/21/21.

Betty LaVaughn Adkins (94) passed away 1/23/21. She worked for various contractors at INL for 23 years as a nurse. When TAN was being built, she was the first woman to work on the north end.

Elbert Grant Rees (84) passed away 1/24/21. He worked at Argonne National Lab-West as an engineer for several years beginning around 1979.

Max E. Jackson (99) passed away 1/24/21. He worked at Argonne National Lab in Chicago and at the Idaho Falls Engineering Test Site.

Paul E. Reynolds (65) passed away 1/24/21. He worked at INL as a Rad/Con Tech for several years.

Phillip Neil Eldridge (76) passed away 1/31/21. He worked at INL for Westinghouse for 6-7 years.

February 2021

Martha Eitson (69) passed away 2/1/21.

David H. Napper (82) passed away 2/3/21. He worked at INL for various contractors from 1963-1993, as an Electrical Engineer.

Naomi Green (86) passed away 2/4/21. She worked at INL as a filing clerk for 18 years.

Robert Wayne Emery (73) passed away 2/4/21. He worked at INL beginning in 1982 as a security guard. He impressed the upper management so much that he was promoted into a management position. He was later in charge of all of the security processes there and after a 30-year career, retired in 2014.

David S. Leary (78) passed away 2/6/21. He worked at INL and retired after 30 years.

Sharon Hathaway (72) passed away 2/9/21. She retired from FLUOR, where she played a key role in Document Control.

Marvin Hooper (86) passed away 2/11/21.

Michael Dalton Henderson (70) passed away 2/13/21. He worked at INL as a computer operator.

Joel Ted Johnson (76) passed away 2/14/21. He worked at INL during the summers while going to college, probably back in the 1960's.

Carol Anne Olson (69) passed away 2/19/21. She worked at INL (FLUOR) for 40 years, retiring in 2012.

David Lawrence Parks (74) passed away 2/20/21. He worked at INL for 40 years as a Project Manager over Nuclear Threat Reduction.

Nelda Hanson-Brittain-Richards (94) passed away 2/20/21.

Kendall Magill (90) passed away 2/22/21. He worked for EG&G at PBF through 1985 and then (and in Waste Management Programs at TAN and retiring from INL in late 1980s.

Denzel K. Jenson (89) passed away 2/23/21. He worked at INL beginning in 1953 in the Radiological Engineering field. He was manager of the ICPP Health Physics group for many years. He moved to LLNL in 1987 as a WINCO representative on the joint WINCO-LLNL SIS Project. After 2 years ('87-'89) the SIS Project was cancelled, and Denzel elected to stay at LLNL. He retired after working a total of 43 years including his time at INL and LLNL.

Glenn E. Cederberg (94) passed away 2/27/21. He worked at INL (Westinghouse) for 32 years.

Keith B. Hanson (93) passed away 2/28/21. He worked at the Atomic Energy Commission lab.

March 2021

Edgar Wayne McKenzie (79) passed away 3/2/21. He worked at Argonne National Laboratory.

Juanita J. Williams (86) passed away 3/5/21.

Mary Eleanor Snyder (86) passed away 3/9/21. She worked and retired from Argonne National Laboratory from 1982-1996.

Harold Campen (91) passed away 3/11/21.

Bradley Scott Beseris (58) passed away 3/11/21. He worked at INL as an industrial mechanic for 35 years, retiring in 2018.

Raymond Eugene Mauseth (72) passed away 3/12/21. He worked at INL beginning in 1987, as a nuclear reactor operator and trainer until he retired 2012.

James L. Bonner (71) passed away 3/12/21. He worked for ENICO and WINCO at ICPP in the Production Department in the 1980s and 1990s.

John William Passey (76) passed away 3/14/21. He worked at the Dept of Energy, retiring in 2011.

Thomas C. Piper (85) passed away 3/14/21. He worked at INL beginning in 1966, primarily for Westinghouse Idaho Nuclear Company, he had his degree in Nuclear Engineering and also Mechanical Engineering, retiring in 1995.

Agness 'Aggie' Constance Lindenmayer Ferguson (84) passed away 3/15/21. She worked at INL as a secretary for various employers, eventually at and retiring from EG&G.

David Brent Williams (66) passed away 3/16/21. He worked at INL-FLUOR as a project manager of the carpentry department, retiring in 2008.

Clarence A. Moore (87) passed away 3/19/21.

Timothy James Klipfel (70) passed away 3/19/21. He worked at INL at CWI-INTEC from 1978-2012.

Carol Sandberg (81) passed away 3/20/21.

Franklin D. Smith (87) passed away 3/24/21. He worked at INL as a laborer, security, and health physics technician, retiring in 1991.

Arthur Paul Roeh (86) passed away 3/24/21. He worked for various subcontractors with the Department of Energy in Chemical Engineering. At INL he worked at ICPP for various contractors in the 1960s and 1970s and was involved in R&D for fuel reprocessing, especially on ROVER graphite fuel. He worked for EG&G in 1981 on Energy Programs, then he spent about a year working for Fluor-Daniels in California. He returned to INL working for ENICO and WINCO from 1983 to 1986, returned to Fluor-Daniels, returned to INL working for WINCO from 1989 to 1991, and then Fluor Daniels until he retired.

Robert Kenneth Gibbons (74) passed away 3/25/21. He worked at INL (CWI), as an Insulator.

Frederick William Ingram (78) passed away 3/29/21. He worked at INL as a project manager, retiring in 2002.

Harley Wayne Reno (82) passed away 3/30/21.

Richard 'Dick' Ellet Wood (93) passed away 3/31/21. He worked as a Physicist for GE and then the Dept of Energy.

April 2021

Kirsten M. Isham (57) passed away 4/1/21. She worked at INL-CWI.

Axel Hallan (84) passed away 4/2/21. He worked at INL as a nuclear engineer, operating various test reactors including ETR and LOFT, and eventually managed the WERF waste reduction facility.

Gerry Harley Garn (80) passed away 4/3/21. He worked at INL for 31 years as an accounting administrator.

Charles 'Chuck' William Dawley (80) passed away 4/5/21. He worked for Argonne at EBR-II around 1963, for 40 years, working his way up to shift supervisor.

Glen Leon Howard (85) passed away 4/6/21. He worked at INL as a Naval Chemistry and Radiological Controls Instructor and as an Examination Testing Engineer.

Marvin Ellsworth Eld (84) passed away 4/10/21. He worked for NRF, Fluor Corp, and various site contractors. He also served as acting Director for the INEL nuclear Waste Management Program.

Rodney Von Westover (82) passed away 4/11/21. He worked at INL as a custodian.

Shirley Mae Lindberg (90) passed away 4/11/21. She worked for EG&G at TRA in the 1980s and 1990s.

Jerry Matkin Hoggan (77) passed away 4/11/21. He worked at INL spending most of his career at the site, he received many patents for his research. He retired in 2009.

Richard Ruland Hatton (89) passed away 4/15/21. He worked at INL in computer operations.

Robert Guymon (63) passed away 4/16/21.

Jere McClure (92) passed away 4/19/21. He worked for the EG&G Medical Department and Performance Assurance Tech Support.

Denny Jim Elmer (71) passed away 4/19/21. He worked at INL as a union worker in various construction jobs and retired from INL.

Lawrence 'Larry' Edward Howlett (69) passed away 4/19/21. He worked at INL in various positions, including a Level III Health Physics Technician.

Paul Leslie Hovey (96) passed away 4/23/21. He worked for Atomic Energy Commission (now DOE). He was employed by the various contractors as a budget supervisor, retiring in 1986 after 37 years of service.

Thomas J. Lewis (74) passed away 4/23/21.

Edward Walter Lyon (88) passed away 4/23/21. He worked at INL, employed by various contractors from 1967 to 1989, including Idaho Nuclear Corp., Aerojet Nuclear Corp., EG&G Idaho, Exxon Nuclear Idaho Corp., and Westinghouse Idaho Nuclear Corp.

Richard Edward Burke (86) passed away 4/24/21. He worked at INL as a bus driver.

Matthew Baker (43) passed away 4/25/21. He was an active employee at INL, working in org U942 at MFC.

John Linebarger (89) passed away 4/27/21.

Dallas Raymond Hales (95) passed away 4/29/21. He worked for Argonne National Lab as a welder.

Thomas Clegg Sorensen (70) passed away 4/30/21.

Wilbur 'Greg' Dean Gregory (91) passed away 4/30/21. He worked at INL at the Manager of the Advanced Test Reactor Critical (ATRC). He retired in March 1994 after working for 36 years. When he retired, he received a letter from the Secretary of Defense thanking him for his contribution during the cold war.

May 2021

Captain John H. Cox (81) passed away 5/1/21. He worked for EG&G and Lockheed Martin as Facilities and/or Services Director. He had an extensive 30-year career with the Nuclear Navy Program.

Van Gene Bagley (88) passed away 5/2/21. He worked for INL as a bus driver, driving 2 million miles without an accident.

Stephen Edward Everette (80) passed away 5/3/21. He worked for EG&G in Earth & Life Sciences and in Waste Programs until 1985.

Karen (Haderlie) Covert (80) passed away 5/3/21. She worked for the Department of Energy as a custodian.

George Lowell Smith (92) passed away 5/5/21. He worked for INL as an electrical engineer.

Antone Stefano Cominotti (64) passed away 5/12/21. He worked at INL (FLUOR) as a mechanic.

Glen Reed Longhurst (77) passed away 5/12/21. He worked at INL for 30 years, as a Mechanical Engineer. He focused his academic preparation in aerospace and nuclear energy. He was literally a "Rocket Scientist." His career contributions at the Lab included pioneering work in beryllium technology research and tritium safety. In 1995, he and a colleague founded the IEA International Workshop on Beryllium. This organization continues as an industry leader in beryllium research. In 2019, Glen received the Mario Dalle Donne Memorial Award for Lifetime Achievement in Fusion.

Charles Todd Elverson (32) passed away 5/13/21. He was an active employee and worked in Org B674. He was a Geospatial Data Scientist and Software Developer at the Environmental & Geological Engineering Department. He earned his master's in forest hydrology from University of Minnesota, where he also earned his bachelor's in environmental science and conservation biology.

Bonnie (Beesley) Stevens (91) passed away 5/13/21. She started working for EG&G Idaho working her way up to a computer technician.

Janet Wilkinson (89) passed away 5/13/21. She worked at Atomic Energy Commission (AEC) for several years as a secretary.

Lois Joann Coyte Cissel (92) passed away 5/17/21. She managed the cafeteria at Westinghouse.

Graeme C. Galbraith (90) passed away 5/18/21. He worked for Westinghouse, who operated the Bettis Atomic Power Laboratory, staffing their second prototype plant at the Naval Reactor Facility. Graeme retired in 1989, as the chief refueling engineer servicing the four naval reactors then operating at NRF, which established the processes for refueling the nuclear aircraft carriers, the USS Enterprise and the USS Nimitz.

Claire Martin Moser (85) passed away 5/19/21. He worked as a Nuclear Physicist for Phillips Petroleum, Aerojet Nuclear, and Energy Incorporated.

Artie Seth Waters (62) passed away 5/20/21. He worked at INL as a carpenter, and retired in 2016.

Dana Keith Morton (69) passed away 5/21/21. He worked at INL as a Mechanical Engineer. He contributed greatly to the solutions of safely storing spent fuel, as he performed extensive, and often groundbreaking work as a Section III American Society of Mechanical Engineering Code member.

Peter Michael 'Mike' Swendsen (74) passed away 5/21/21. He worked at INL for a short time in the early 70's.

Billie Lynn Peterson (77) passed away 5/21/21. She worked at INL as a writer editor.

Thomas E. Cox (79) passed away 5/24/21. He worked at INL in the Physics Department, TMI-2 Recovery Program, and Nuclear Materials Evaluation group.

Benjamin Karl Knutson (44) passed away 5/25/21. He worked at INL briefly in computer networking and technology, before joining the Navy.

JoAnn Judy (70) passed away 5/29/21. She worked for MK-Ferguson.

Marilyn Dawn Meppen Laird (84) passed away 5/31/21. She worked at INL in a secretarial job at the Test Engineering Dept for General Electric Company.

June 2021

Elton Lynn Call (80) passed away 6/1/21. He worked at INL as a Project Manager in Security and Head of Security at MK until retirement in 2000.

Julie James Hand (55) passed away 6/2/21. She worked at INL beginning in 1990, she had a number of accomplishments while working at the INL but was most proud of her U.S. patent for a zero-headspace extractor.

Robert L. Hoffman (58) passed away 6/5/21. He was an active INL employee, working in Org H610. Bob started his career in nuclear science working in such places as Tennessee, New York, and Idaho. He spent 13 years working at the Lab as a research and development engineering scientist.

David John Forker (73) passed away 6/5/21. He worked at INL-EG&G as a project manager, retiring in 1999.

John Robert Cox (75) passed away 6/6/21. He worked in Performance Assurance Tech Support, Environmental Safety & Quality, and the New Production Reactor (NPR) groups over his time at INL.

Judy Lambert Hastings (77) passed away 6/7/21. He worked for the Dept of Energy working in contract cost and price analysis where she worked until her retirement in 2003 after 32 years.

Mark Douglas Jeffs (54) passed away 6/8/21. He worked at INL-FLUOR.

Jean Terry Barnes (86) passed away 6/9/21. She worked for Atomic Energy Commission-Westinghouse as a secretary.

Anthony 'Tony' Wayne Burgess (56) passed away 6/14/21. He worked at INL-AMWTP.

Gail Ernest Bingham (86) passed away 6/16/21. He worked at INL as Manager of Major Projects at ICPP for ENICO and WINCO, most notably the New Waste Calcining Facility (NWCF). He continued as a senior engineering manager until his retirement, after which he consulted with the Department of Energy for several years.

Carol Harper (81) passed away 6/17/21.

Robert Leo McVean (97) passed away 6/21/21. He worked at Argonne National Lab at the reactor testing site beginning in 1957.

Edward Allen Jennrich (69) passed away 6/24/21. Ed was an Engineering Officer on the USS Grayling submarine and traveled the world, including a trip under the North Pole. He received the Gold Dolphins Achievement medal, the Expeditionary medal, and the National Defense Service medal. Post his time in the military, Ed worked as an Operations Manager at AECOM/URS. Co-workers acknowledged Ed as a leader, mentor and person who can be relied upon. Ed retired in 2017 after 37 years.

Connie Ann White Longmore (74) passed away 6/24/21.

Tim M. Taylor (64) passed away 6/25/21. He worked at INL as a carpenter.

Reno Tam (86) passed away 6/29/21. He worked at INL for Argonne National Lab as a Radiation Safety Technician in the Health Physics Group, retiring in 1990.

July 2021

Jay Buys (90) passed away 7/29/21.

Leora Jane Peck Rogers (80) passed away 7/1/21.

Mark P. Roberts (80) passed away 7/2/21. He worked at INL for 30 years, first in security and then as a chemist.

Gary LaVere Ellis (83) passed away 7/3/21. He worked at INL as a welder.

Dennis Delos Lambert (83) passed away 7/4/21.

Dorothy 'Janie' Wayne (88) passed away 7/6/21. She worked as a registered nurse at Argonne National Lab where she retired in 1995.

Frederick Crocker (79) passed away 7/6/21.

Dwaine Moore (78) passed away 7/7/21. He worked at INL for US Department of Energy for 23 years as Fire Chief, retiring in 1993.

Devon William Mecham (82) passed away 7/17/21. He worked at INL as a mail clerk and after completing many college classes, he ended his career as Senior Project Engineer. He retired in 2001.

Robert Dinneen (55) passed away 7/17/21. He worked for FLUOR.

Robert Dennis Butikofer (71) passed away 7/18/21. He worked at INL-CWI as a plant operator.

Richard L. Miller (89) passed away 7/19/21. He worked at INL and was a chemist, metallurgist, geothermalist and part-time rock hound!

Robin 'Rob' J. Holmes (72) passed away 7/19/21.

Theodore 'Ted' Kinnaman (78) passed away 7/21/21. He worked at INL as a mechanical engineer and built his skills into a 34-year career supporting all manner of projects at the INL site. He was especially proud of his work on the Engineering Test Reactor sodium loop project.

Kenneth H. Latham (97) passed away 7/23/21.

David Steven Sill (62) passed away 7/25/21. He worked at INL previously, and currently worked for DOE-ID for 33 years in Radiological Chemistry.

Harold Dean Brown (88) passed away 7/26/21. He worked at the AEC as a warehouse supervisor.

Gene Harold Dressen (78) passed away 7/27/21. He worked at INL as a computer programmer.

Edith Juanita Whiting (80) passed away 7/28/21.

Arnold 'Ron' Leslie Ayers Jr. (81) passed away 7/28/21. Ron worked most of his career within the nuclear energy field, first with Ebasco Services in New York City until 1976 and then out at the INL site for different companies. While he mostly worked locally, his job included travel to Pennsylvania, Texas, and Kazakhstan. He was especially proud of his work in cleaning up the Three Mile Island reactor, and in later efforts to recover and store spent reactor fuel from around the world.

Ralph William Hurzeler Jr. (86) passed away 7/28/21. He worked at Argonne National Laboratory.

Joseph Edward Uptergrove (74) passed away 7/30/21. He worked at INL as a Nuclear Power Research Officer.

James Rider (70) passed away 7/31/21. He worked for FLUOR.

Stanley Scott Abbott (72) passed away 7/31/21. He worked at INL from 1969-2012.

August 2021

Deloy 'Nelly' Albert Nelson (89) passed away 8/1/21. He worked at INL-Advanced Test Reactor as a laborer, then mechanic, then foreman and eventually a maintenance planner and retired in 1995.

Douglas Antol (74) passed away 8/1/21.

Christopher Lee Wilcox (46) passed away 8/2/21. He worked at MFC, org J402.

Karen Alice Russell Daniel (77) passed away 8/4/21. She worked at INL for over 30 years.

Steven Leon Littleford (65) passed away 8/4/21. He worked at INL as a bus driver.

Seimens.William H. Garner Jr. (80) passed away 8/4/21.

Donald R. Jones (80) passed away 8/4/21. He worked at INL as a System Analyst for Lockheed Martin serving in the aero industry, INEL, and Seimens.

Paul Warren Watrous (79) passed away 8/7/21. He worked at INL in Human Resources and assisted with submarine construction programs.

Lyndon Rigby Smith (88) passed away 8/8/21. He worked at INL for Phillips Petroleum at the National Reactor Testing Station.

Thomas Larson (79) passed away 8/9/21. He was an INL-FLUOR retiree.

Donald Eugene Baxter (77) passed away 8/12/21. He worked at INL as a nuclear engineer.

Donna 'Beth' Elizabeth Griebenow (86) passed away 8/14/21. She worked at INL as a secretary for the National Reactor Testing Station (NRTS) Chemical Processing Plant, and spouse of Merle Griebenow.

Patrick R Dugan (89) passed away 8/14/21. He worked at INL as a Science Fellow and Director of the Center for Bioprocessing Technology. Dr. Dugan earned a Ph.D. (Microbiology) from Syracuse University and from 1964 until 1987 was a faculty member at the Ohio State University where he held a variety of position (Professor-Microbiology, Chair-Department of Microbiology, Dean-College of Biological Sciences and Professor Emeritus).

Charles 'Chuck' Arthur Collins (74) passed away 8/15/21. He worked at INL as a property manager.

William 'Bill' Wallace Kirchner (71) passed away 8/16/21. He worked at INL as a computer technician.

Darrell McQuarrie Smith (88) passed away 8/18/21. He worked at INL in property control.

Donald Dean Carlson (71) passed away 8/18/21. He worked at INL where he worked at the Naval Reactor Facility for 38 years.

Kent Ray Hastings (80) passed away 8/19/21. He worked for Atomic Energy Commission, working closely with INL.

Robert Bruce Butler (74) passed away 8/24/21. He worked at INL for 2½ years, he had his degree in Civil Engineering.

Herbert Lowell Magleby (88) passed away 8/25/21. He worked at INL as a mechanical/nuclear engineer.

Ernie J. Miller (65) passed away 8/27/21. He worked at INL-Argonne National Lab in security in 1985. He worked his way up until he was a facility manager when he retired in 2013.

James Frances Williams (70) passed away 8/29/21. He worked at INL in the engineering department, retiring in 2016 after 27 years of service.

September 2021

James 'Jim' Findley Shaffer (88) passed away 9/1/21. He worked at INL for various contractors between 1959 and 1993, he was a Geological Engineer.

Gail Adele Gerling Cordes Vachon (83) passed away 9/3/21. She worked at INL in Computer Science at a time when a computer took up a whole room. She worked in the nuclear industry until her retirement in 2002. During her career, she published several papers in the area of neural networks, multi-variate control and patterns, and intelligent systems. She was active in the American Nuclear Society and was president of the Idaho chapter for a time.

Roy Lee Flowers (86) passed away 9/4/21. He worked at INL as a demolition welder.

John Patrick Morgan (88) passed away 9/4/21. He worked at INL for 43 years and worked at the Idaho Chemical Processing Plant (ICPP), retiring in 1996. He was instrumental in obtaining many patents during his career as an engineer.

Scot B. Cox (70) passed away 9/6/21. He worked at NRF as an Operations Manager for 30 years, retiring in 2009.

Glenna Dene Williams Harris Transtrum (91) passed away 9/7/21. She worked for INL starting as a secretary and retired as a liaison in Public Relations, working for over 20 years.

Blair Daniel Johnson (100) passed away 9/9/21. He worked at INL, he helped start up the Materials Testing Reactor at the National Testing Reactor site where he worked for 25 years as a Health Physicist, retiring in 1976.

Garry Richard Burke (61) passed away 9/11/21. He worked at AMWTP as a Radiation Technician Supervisor, retiring in 2020.

Herman Larry Spilker (88) passed away 9/11/21. He worked at INL beginning with his legal career as a staff attorney for Idaho Nuclear Company. He was promoted to General Counsel and served in that capacity for several subsequent INL contractors. He would never admit this, but upon his retirement in 1995, he was world renowned in his specialty of Government Contract Law as it relates to the nuclear industry. His talents were often sought after until he decided to retire for good. Along the way, Dad was also a University Professor and taught Government Contract and Labor Law for the University of Idaho for 42 years.

David Ray Underwood (78) passed away 9/12/21. He worked at INL as an electronics technician.

William 'Bill' Serrano (83) passed away 9/13/21. He worked at INL as a nuclear physicist, retiring in 1995.

David Eason Thomas Roemer (27) passed away 9/13/21. He was a current employee at INL working at MFC.

Kay Jolley Schwarz (89) passed away 9/14/21. She worked at the Atomic Energy Commission as a PBX operator.

Roy Reynolds (80) passed away 9/17/21. He worked at INL as a graphic designer despite offers for jobs at such places as Disney. The job enabled Roy to continue his artwork at home. His INEL career earned him many awards for his graphic design work. The Department of Interior chose Roy's watercolors to illustrate the Montana Bison Management Plan. He retired after 25 years of service.

Kelel N. Thueson (84) passed away 9/17/21. He worked at INL as a bus driver for 17 years.

George F. Marriott (90) passed away 9/23/21.

Bryce J. Woodbury (53) passed away 9/24/21. He was an active employee at INL, worked at MFC org H327, as a nuclear safety engineer and team scientist on the INL's Radiological Assistance Program Region 6 team.

Lewis Earl Town (88) passed away 9/26/21. He worked at INL for Westinghouse as a Procurement Manager, retiring in 1992

MEMBERSHIP – Nancy Carlson, 208-523-9128, nancymcarlson@g.com

This is a unique membership report covering 18 months from April 2020 through October 23, 2021. New retirees have joined us and former members rejoined IREA after several years of non-membership. We welcome all of you.

New IREA members who joined since May 2020 include Eugene Hochhalter, Colleen Bohan, Frederick Borst, Kevin Brown, Quinn Decker, Howard Forsythe, Norman Graham, Tamara Grimmett, Paula Hahn, Jeffrey Lacy, Illa Lewis, Juan Lucero, Robert Marshall, Lowell G. Miller, Joseph Kevin Neeser, Victor Ransom, James Sterbentz, David Stities, Kirk Stueve, Peggy OMaley, and Lisa Woods.

If you know a retired INL person who is not a member of IREA, pass on the IREA membership form to them.

We promise NO junk emails or spam – only items of importance to INL retirees!!!

**MEMBERSHIP FORM
INL RETIRED EMPLOYEES ASSOCIATION, INC.**

NAME (Print) _____

Email Address _____

ADDRESS _____

PHONE _____

CELL PHONE _____

Yearly* dues are \$15 for e-newsletters **OR Yearly* dues are \$20** for hardcopy newsletters sent via USPS

*January to December calendar basis

I am willing to serve

on the following committee(s):

- Membership**
- Publicity**
- Consumer Affairs**
- Historian**
- Newsletter**
- Website**
- Social Events**
- Investments**
- Programs**
- Benefits**

Make your check payable to IREA and send along this membership form to:

**INL Retired Employees Assn.
P.O. Box 50056
Idaho Falls, ID 83405**



United States Department of Labor
Office of Workers' Compensation Programs
Division of Energy Employees Occupational Illness Compensation

The **Energy Employees Occupational Illness Compensation Program Act (EEOICPA)** began on July 31, 2001 with the U.S. Department of Labor's (DOL) implementation of Part B. Part E implementation began on October 28, 2004.

Part B of the EEOICPA provides lump-sum compensation of \$150,000 and medical benefits to current and former workers who have been diagnosed with cancers, beryllium disease, or chronic silicosis and whose illnesses were caused by exposure to radiation, beryllium, or silica while working directly for the U.S. Department of Energy (DOE), its contractors or subcontractors, a designated Atomic Weapons Employer, or a beryllium vendor. Under Part B, compensation of \$50,000 and payment of medical expenses from the date a claim is filed is available to uranium workers (or their survivors) previously awarded benefits by the Department of Justice under Section 5 of the Radiation Exposure Compensation Act (RECA).

Part E of the EEOICPA provides federal compensation and medical benefits to DOE contractor and subcontractor employees who worked at covered facilities and developed an illness as a result of exposure to toxic substances. Under Part E, monetary compensation of up to \$250,000 per employee may be available for the employee's whole-body impairment and/or wage loss due to an accepted condition.

Under the EEOICPA, if the employee is no longer living, survivors of qualified workers may also be entitled to benefits.

Contact a DEEOIC Resource Center

DOL established 11 Resource Centers nationwide to assist workers and their families apply for benefits under the EEOICPA. The Resource Center staff provides valuable information about the claims process to claimants and assists claimants in completing the necessary forms to file an EEOICPA claim. The Resource Center staff can provide assistance either in-person or over the telephone, and thus is able to assist individuals who are outside the immediate geographical area. You can find the complete list of Resource Centers, including regional jurisdictions, contact information, and toll-free numbers at <https://www.dol.gov/agencies/owcp/energy> or call toll-free at (866) 888-3322. The DEEOIC Resource Center to contact in your area is:

Idaho Falls Energy Employees Compensation Resource Center
1820 E. 17th Street, Suite 250
Idaho Falls, ID 83404
Tel: 208-523-0158 - Toll Free: 1-800-861-8608

SPOCK: Understanding our world and beyond with spectroscopy

By Joel Hiller for Communications & Outreach

One of the most important challenges in science is determining what elements are present in materials both on earth and in space. Researchers depend on the use of a process known as spectroscopy to examine the characteristic wavelengths of the electromagnetic radiation given off by materials, using various types of instruments. At Idaho National Laboratory, for example, researchers measure gamma rays coming off materials like nuclear fuel, which helps us understand the performance of experimental fuels that have been irradiated in a test reactor. Current spectroscopy techniques require a human researcher to eliminate irregularities and manually adjust the background properties to achieve a final result, starting from large amounts of raw data.

The INL physics and high-performance computing team has developed software code known as SPOCK (which stands for **SP**ectral **O**bservation **C**onvolutional neural network**K**), which helps computers perform the spectroscopy analysis that currently requires human eyes. The software utilizes advanced artificial intelligence to “see” and recognize a spectrum, much like a human spectroscopist might, rather than traditional mathematical analysis and models. This remarkably compact code could significantly improve the ability to identify the minerals and compounds on earth or as well as on other worlds.

SPOCK could be used for any application requiring the measurement and analysis of radiation, including reactor monitoring, nuclear fuel analysis, radiation dose rate monitoring, x-ray imaging, oil well logging, or mapping of ore deposits. SPOCK could also be used by uncrewed spacecraft to monitor background radiation or analyze atmospheric composition without the need for high-power processors or systems. The results could then be transmitted back to earth rather than sending the full data set.

“One of the limitations of spectroscopy has always been the need to have human eyes to form a complete picture, even with advanced computing capabilities,” said INL researcher Ryan Fronk, who helped develop the software. “SPOCK uses a neural network that mimics human image recognition to quickly produce the final spectroscopy analysis. Initial test results showed 99% accuracy, and it achieves this much faster and more consistently than currently available software.”

To test the performance of the code on a space-based computer system, INL has teamed up with NASA and Hewlett Packard Enterprise and are currently testing SPOCK on the International Space Station’s Spaceborne Computer 2.

SPOCK is running trials to ensure its accuracy in space (where radiation effects might affect training and analysis) on Spaceborne Computer-2 using legacy spectroscopic data that has been previously verified using both mathematical models as well as the Earth-trained SPOCK. Once the testing process is complete, the INL software could be included in future terrestrial and space endeavors.

