

Grand Canyon in Arizona is famous for its marvelous display of strata and significant amount of erosion. Now Grand Canyon is becoming known for an extraordinary fossil deposit. Working over a 15-year period, ICR geologists have inventoried unusual fossils called nautiloids within the cliff-forming Redwall Limestone. Nautiloids are marine animals resembling a squid that lived within long, slender shells. Billions of large orthocone nautiloids up to six feet in length occur within a single seven-foot-thick layer that extends from Marble Canyon in extreme eastern Grand Canyon 180 miles westward to Lake Mead Boulevard in Las Vegas, Nevada.

Dr. Steven Austin of ICR's Geology Department presented a paper on his discovery of the fossil stratum at the Geological Society of America meeting on Octo-

ber 30 in Denver, Colorado. Dr. Austin reported his theory that billions of large nautiloids were buried by a gigantic submarine sediment flow having regional extent. The sediment flow hydroplaned westward through northern Arizona into Nevada so fast it smothered and buried marine animals within the single layer of Redwall Limestone.

Geologists had been accustomed to thinking of millions of years to deposit Redwall Limestone. ICR geologists are reinterpreting the strata to have formed within minutes by catastrophic flood processes. Technical reports will be submitted to a peer-reviewed geology journal and the National Park Service describing Dr. Austin's evidence for the regionally extensive mass kill and burial event in the Grand Canyon region. ☞



GOD'S BLESSINGS IN 2002

The beginning of the new year means it's time to look back and rehearse God's blessings, and there are many. It's also time to refocus on the task ahead, for much remains to be done. As a member of ICR's larger family, please rejoice and dream together with us as you read this short summary.

ICR Outreach

The Outreach Division of ICR continues to impact the lives of many around the country and world. Over the last few years numerous ministries have seen a decline in the demand for community-wide seminars. Our "Back to Genesis" and "Case for Creation" seminars have witnessed the same phenomenon, with only 10 being scheduled. The slack was taken up, however, by a phenomenal interest in smaller-scale, church-based seminars and meetings, highlighted by numerous month-long "loop tours" on which an ICR scientist speaks throughout a region in schools, universities, and churches. In all, ICR speakers ministered to about 80,000 people this past year. The total includes seminar and church meetings, Good Science workshops, youth camps, and debates, as well as international meetings in the United Kingdom, the Ukraine, and Caribbean Islands.

The radio ministry continues to expand. From the daily one-minute "Back to Genesis" in English and Spanish, to the weekly fifteen-minute "Science, Scripture & Salvation" radio magazine to the hour-long Jonathan Park Adventure specials, the message of creation is heard on 1,068 different stations, with many stations airing multiple programs. An additional blessing comes when we note that ICR pays for no airtime. Most are offered free by the local stations, but

some are underwritten by local individuals. If your local station doesn't carry ICR, perhaps you can encourage them.

Another area which is mushrooming at ICR is what we call our "Public Information Services." Over 8,000 people received personal answers to questions submitted, most of them from the website.

Speaking of the website, much more information is downloaded off the web than is printed in *Acts & Facts* and *Days of Praise*. Considering that these publications now go to 130,000 and 350,000 people, respectively, the web's power can be readily realized. By the way, did you know that you can subscribe to either or both on the web? Go to www.icr.org and sign up. You'll also find back issues archived there, as well as research articles and up-to-date news items.

ICR Research

Fifteen students received the M.S. degree this past summer, our largest graduating class ever. Student research projects augment faculty research, and wonderful results are coming in. The most significant research project at ICR continues to be on "*Radioisotopes and the Age of The Earth*" (RATE). Research results this year include: rapid diffusion of helium from zircons demanding a young earth; radiohalos in granitic biotites showing rapid emplacement, invalidating isochrons as an old-earth indicator; presence

Acts & Facts



PUBLISHED BY

INSTITUTE FOR CREATION RESEARCH

P.O. Box 2667, EL CAJON, CA 92021

619/448-0900 WEBSITE: www.icr.org

To disseminate articles and information of current interest dealing with creation, evolution, and related topics. Sent free upon request.

Editor: John D. Morris

Co-Editor: Henry M. Morris

Managing Editor: Donald H. Rohrer

Assistant Editor: Kelly Griffin

No articles may be reprinted in whole or in part without obtaining permission from **ICR**.

OARD INVITED TO ICR AS VISITING SCIENTIST

of measurable C-14 in “old” specimens; and theoretical support for changing decay rates. Each project supports the Biblical doctrine of the young earth. These projects are continuing. Please note that over \$100,000 of targeted donations are needed to bring them to completion.

As mentioned on page one of this issue, Dr. Austin’s presentation of his Grand Canyon nautiloid research at the Geologic Society of America not only publicizes this stunning discovery, it puts to rest the charge that creationists never present in scholarly venues. Creation theory is alive and well, and God is honored.

General

ICR’s scholarly research, graduate teachings and publications remain its main focus. We take the message to all who will hear, but the non-technical ministry augments and supports our main calling. Obviously reaching teachers, scientists, politicians, etc. (i.e., by influencing influential people), will make better, longer-lasting gains than limiting our work to churches. We must do both. This long-range strategy will “win” in the end.

Meanwhile, God’s blessings can be seen at home too. Once again, year-end giving has allowed ICR to finish the year with all its bills paid, just as God has done for us throughout our 32-year history. This past year has seen financial challenges, and it appears more are on the way. However, this is His ministry, and He receives all the praise and glory.

On a personal note, the health and vigor of the two ICR “veterans,” Drs. Henry Morris and Duane Gish, remains strong. Both are in their 80s and intend to keep going as long as God enables. The other staff enjoy reasonable good health and all exhibit true Christian character and unity. We count it a blessing to be a part of what God is doing.

We thank the Lord and thank you for standing with us. 🙏

Michael Oard, a long-time creationist and active researcher and writer, has been invited to ICR as a visiting scientist for three months in the spring of 2003. He plans to spend the months of January, February, and March in San Diego working with Dr. Vardiman on various research projects exploring climate and weather.

The author of the important ICR monograph, *An Ice Age Caused by the Genesis Flood*, Oard has long led the creationist effort to understand one of the most significant climate events from a young-earth perspective. His wife, Beverly, who co-authored the ICR book, *Life in the Great Ice Age*, with Mike, will accompany him to ICR. Oard plans to begin work on another monograph at ICR about the Ice Age, updating his earlier work by looking more deeply at ice cores and deep-sea sediments. Dr. Vardiman also hopes to work with Mike on plans for future climate modeling during the visit.

Oard recently retired after a long career as a forecaster with the National Weather Service in Billings, Montana. He and his wife have now moved to Bozeman, Montana, to be closer to their children and to have easier access to the library at the University of Montana for his frequent literature searches. Mike continues to conduct research and write creationist research articles on many topics for the *Creation Research Society Quarterly* and the technical journal of AiG.

Having spent his graduate school years in rainy Seattle at the University of Washington and most of his career as a forecaster in snowy Montana, it’s not surprising that Mike has finally decided to pursue a long-term goal of following the birds south in the winter. San Diego is a common wintering ground for retired forecasters. 🙏

DR. MORRIS SPEAKS TO TRACS CONFERENCE

Dr. John Morris offered two workshops at the Annual TRACS Conference in Nashville, Tennessee, in November. He spoke on, “The Creation Distinctive,” a discussion of the issues and challenges facing educators in the area of creation. Dr. Morris focused on an examination of the creation doctrine as foundational to the other Christian doctrines in light of scientific facts and Biblical truths.

He pointed out to the Christian college administrators there that while careful exegesis of creation passages in Scripture points to a young earth, the issue goes far deeper. If a Christian leader can interpret these passages as teaching the old earth, it belies a shallow commitment to Biblical inerrancy and authority and undercuts other important doctrines.

TRACS stands for Transnational Association of Christian Colleges and Schools. Its purpose is to enhance educational quality and to maintain a creationist perspective in Christian education. Over 175 faculty, staff, and administrators came from almost 50 Christian colleges and Bible schools which profess a creationist position. Sally Stroup, Assistant Secretary of Education, and Judith Eaton, President of the Council for Higher Education, plus many other speakers and workshop leaders, spoke at the Conference.

The ICR Graduate School has been a part of TRACS since 1980 and accredited since 1990. Although accreditation permits students who attend that school to accept Title IV funds from the Federal government, ICR has never participated in these funds to avoid governmental control. Dr. Henry Morris was a founding member and Commissioner with TRACS from 1979 to 1993. Dr. Larry Vardiman has served as Commissioner for the past ten years. ☛



Kim Elmore with three “Marty” fans.

Cary, North Carolina

Colonial Baptist Church was the site of a highly successful “Back to Genesis” seminar on October 18 and 19, despite several major concurrent events in the area. Nearly 2,000 students attended two school assemblies. Kim Elmore delighted the K–6 graders as he taught them important facts of Biblical creation as the comical “Marty,” whom he portrayed in two ICR videos. About 800 listened to speakers Dr. Gary Parker and Mr. Doug Phillips, Esq., as they presented sound scientific and theological evidences for the Biblical Creator and young Earth. Dr. Parker spoke on biology and Flood geology, and Mr. Phillips spoke on creation in law and education. ☛

Institute for Creation Research's
Museum of Creation and Earth History

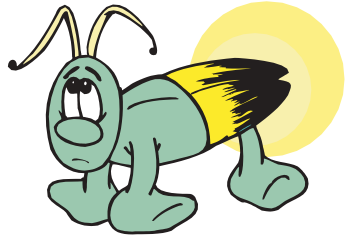
If you are in the San Diego area,
come visit us at:

10946 Woodside Avenue North • Santee, CA 92071
Monday–Saturday 9 a.m.–4 p.m.

A photograph of the exterior of the Museum of Creation and Earth History building, showing a modern structure with large windows and a paved area in front.



LIVING LIGHT




A summer evening in the humid Midwest may reveal the flashing light of the friendly firefly. Such an enchanting display—called bioluminescence—is found throughout the biological world. “Ships sometimes leave a spectacular light show in their wake from billions of single-celled luminescent dinoflagellates” disturbed by its passing. The Brazilians railroad worm (larvae of the large beetle *Phrixothrix*) sports a pair of red spots on its head and a pair of green lights along the sides of the body. Glowing toadstools (*Mycena*) can be photographed by the light they emit—and in 1640, a woman in Montpellier, France, was startled to find a side of mutton glowing as it hung in her kitchen. Townspeople were mystified and presented the radiant meat—thanks to luminescent fungi—to the local prince. In 1986, scientists were successful in producing an amazingly bright-glowing tobacco plant using luciferase genes (DNA segments) from the firefly! In some countries, lanterns made of fireflies are used, and during World War II Japanese troops crushed tiny luminescent insects in order to read maps in the field. Perhaps Noah used such luminescence below decks in the Ark!

Biological luminescence (*not* the same as phosphorescence) is light produced by a complex chemical reaction within an organism. The chemical reaction producing this “cold” light involves at least two chemicals: “luciferin” which produces the light; and an enzyme called “luciferase” that catalyzes the reaction.

“Even Darwin singled out bioluminescence as something his theory couldn’t account for. Yet in the ocean it’s commonplace,” states a secular science magazine.¹ A Harvard biologist estimates that 75% of deep-dwelling animal species produce biochemical light.² Many marine creatures use this essential light to find a mate, defend themselves against predators, or help them find food. Some shrimp have been created with color filters, reflectors, and accessory lenses!

The doubtful idea of “convergent evolution” (the development of similar structures in unrelated organisms) is used to describe how bioluminescence evolved as many as 30 *different times* in alleged evolutionary history. But for convergence to occur, just *two* lines of descent would have to make exactly the *same random* choices at many hundreds of different genetic steps. In addition, current research indicates phenotype convergence doesn’t imply genotype convergence. Convergence, rather, is solid evidence for creation, similarity of bioluminescence is evidence of a common Designer. A Belgian evolutionist named Rees feels he may have a key to how bioluminescence evolved using circumstantial evidence, yet the origin of the key molecule, called coelenterazine (luciferin + luciferase + photoprotein), remains a mystery to modern science.³

1. Marchant, Joanna, “First Light,” *New Scientist*, July 22, 2000, p. 34.
2. Trombly, Jeanne, “Cast a Cold Light,” *Funk & Wagnalls 1995 Science Yearbook*, p. 54.
3. Haddock, S., et al., “Can Coelenterates make coelenterazine?” *PNAS*, Sept. 25, 2001, p. 11148. 



This month on “Science, Scripture, & Salvation”:

Weekend of: **Title/Topic:**

- Jan. 4 Design of Bats**
Bats are some of the most unique and misunderstood animals in the world. People fear them because of some of those misconceptions. But what if bats are actually beneficial creatures? Could they have been designed that way? Listen and learn!
- Jan. 11 Creation on Campus**
Many people believe that creation science has been banned from all public schools. To make matters worse, many teachers feel that they can't even mention the word “creator” in their classes. But what does the law actually say? Listen in!
- Jan. 18 Anti-Creation in Education**
All around our country creationists deal with strong bias against their beliefs. The academic community in particular tries to discredit creationists using different means including firing them. Why is there so much hostility toward creation? Tune in!
- Jan. 25 Radiometric Dating**
Some scientists try to prove the earth is millions of years old. One way they do this is by the process of dating rocks. Creationists say that the dating of rocks isn't as accurate as those scientists might believe. What are the facts? Stay tuned! 🎧

Glendora, California

A well-planned “Case for Creation” seminar (Mark Armitage, chairperson) took place at the Grace Church of Glendora, California, on October 25–26, 2002. Record numbers heard ICR research scientists, Dr. Russ Humphreys (physics), and Frank Sherwin (biology), deliver strong scientific apologetics to refute common claims of evolution. Dr. Humphreys examined the “starlight and time” question, as well as alleged dating evidence for evolution, such as C-14, radiometric, and isotope methods that should indicate billions of years, but do not. Mr. Sherwin addressed the lack of transitional fossils, the enormous complexity of living systems, and the futility of any evolutionary assumption as to how life began.

Spokane, Washington

On November 9, an audience of over 1,800 attended a sold-out “Steeling the Minds” convention (as in reinforcement) to hear select speakers present topics in their field. ICR President, Dr. John Morris, delivered an informative talk on the 1980 Mount St. Helens eruption, and related it to the catastrophic formation of Grand Canyon. Many people visited the ICR table and recounted how ICR books and speakers were the catalysts for accepting a literal Genesis interpretation and the impact it had on their walk with Jesus Christ. 🎧

www.icr.org—find all this and more!

- Previous *Acts & Facts/Days of Praise*
- List of creation scientists
- Coming events
- Radio programs in Real Audio and radio log



“Let a man so account of us, as of the ministers of Christ, and stewards of the mysteries of God” (I Corinthians 4:1).

Ministers and Stewards

Worth noting in this challenging passage are the specific word choices. “Minister” is the translators’ choice for *huperetes*, most frequently applied to “officers” of various authorities (John 7:45–46). “Steward” is the somewhat more familiar term, *oikonomos*, the “house-law” for any enterprise that is large enough to require “officers.” The first term denotes authority *under* higher authority, the second authority exercised *within* legal boundaries (Acts 5:22,26 and Luke 16:1).

These descriptive titles are certainly applicable to Christian leaders (Paul is applying it to himself in the above context), but they are also standards which all followers of Jesus Christ should emulate. All of us are of the “household of God” (Ephesians 2:19), and “every man” (I Peter 4:10) is to serve each other as “stewards” of God’s grace. We serve “under” God’s authority, exercising a great responsibility “within” the “law” of God’s Word.

The Mysteries of God

The limitation and exercise of authority demanded of the Corinthians was to “minister” and “steward” the “mysteries” (plural) of God. Since the Lord’s Kingdom, especially in these latter days, has grown so huge, a unique challenge for each Christian is to select where he or she will serve and give their talents, spiritual gifts, and resources. Certainly one of the criteria by which such a choice is to be made must involve the degree to which the organization is instructing and clarifying the “mysteries of God.”

Readers of *Acts & Facts* are well aware of ICR’s emphasis on the creation account and the accuracy of the Biblical record. One “mystery” we are “stewarding” is the nature of the Tri-une Godhead (Colossians 2:2) which displays the character of God (Romans 1:20). We encourage your participation with us because of the unique requirements in our secular and scientific culture that necessitates a concentration of specially trained “stewards” who can refute the designs of the many who deny the mysteries of God.



Dr. Henry Morris III, ICR Executive Vice President for Strategic Ministries.
P.O. Box 2667, El Cajon, CA 92021; Phone: 619/448-0900; E-mail: hmorrisiii@icr.org
Donations can be made on-line at www.icr.org/contribute.html