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#### Neanderthal clues to cancer origins By Helen Briggs BBC News 6 June 2013

A Neanderthal living 120,000 years ago had a cancer that is common today, according to a fossil study.

A fossilised Neanderthal rib found in a shallow cave at Krapina, Croatia, shows signs of a bone tumour.

The discovery is the oldest evidence yet of a tumour in the human fossil record, say US scientists.

The research, published in the journal PLOS One, gives clues to the complex history of cancer in humans.

Until now, the earliest known bone cancers have been identified in ancient Egyptian remains from about 1,000-4,000 years ago.

"It's the oldest tumour found in the human fossil record," Dr David Frayer, the University of Kansas anthropologist who led the US team, told BBC News.

"It shows that living in a relatively unpolluted environment doesn't necessarily protect you against cancer, even if you were a Neanderthal living 120,000 years ago."

#### Complex history

The fossil was uncovered from an important archaeological site that has yielded almost 900 ancient human bones, along with stone tools.

The cancerous rib is an incomplete specimen, so the overall health impact of the tumour on the individual cannot be established.

The tumour was diagnosed by a medical radiologist from X-rays and CT scans.

Although efforts to extract ancient DNA from the Neanderthal fossil have proved unsuccessful, the researchers hope other fossils may shed light on cancer in prehistoric humans.

Commenting on the study, Kat Arney, science information manager at Cancer Research UK, said: "Some people think that cancer is only a modern disease, but there's evidence from fossils, bones and mummies that it's actually many thousands of years old.

#### **Connected Nation Statement on ConnectED Initiative**

Media Contact: Jessica Ditto For Immediate Release 6.6.13 <a href="mailto:iditto@connectednation.org">iditto@connectednation.org</a> (202) 251-4749

**WASHINGTON, DC** — Connected Nation has released the following statement in response to President Obama's announcement today regarding the creation of <a href="https://example.com/The-ConnectED initiative">The ConnectED initiative</a>.

"We applaud the President's announcement today that will expedite the connectivity of our nation's schools and provide technology training for our teachers. This reform of E-Rate is long overdue. If our students are not online they are falling behind. This is a positive step towards bridging our learning gap and ensuring our educators and students have access to the essential tools powered by high-speed Internet."

See our related blog.

**About Connected Nation:** Connected Nation is a leading technology organization committed to bringing affordable high-speed Internet and broadband-enabled resources to all Americans. Connected Nation effectively raises the awareness of the value of broadband and related technologies by developing coalitions of influencers and enablers for improving technology access, adoption, and use. Connected Nation works with consumers, community leaders, states, technology providers and foundations, including the Bill & Melinda Gates Foundation, to develop and implement technology expansion programs with core competencies centered on a mission to improve digital inclusion for people and places previously underserved or overlooked. <a href="http://www.connectednation.org">http://www.connectednation.org</a>.

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"Be Your Own Leader" - Chief Oren Lyons (Onondaga)

#### **GrantStation**

#### National Funding Opportunities

Support for Climate Change Initiatives

**Mertz Gilmore Foundation: Climate Change Solutions** 

The Mertz Gilmore Foundation's Climate Change Solutions program builds on past Foundation

investments to study climate change, promote climate-friendly energy usage, and develop renewable energy sources in the United States. Grant requests are currently being accepted in the following three categories: new constituencies and approaches for a national climate movement, with a focus on pushing for strong national policy, testing new approaches to fostering leadership, and generating broader grassroots engagement; alternatives to coal-fired power plants, with priority given to coalition initiatives in the Southeastern states; and New York Citybased efforts that can serve as models for large metropolitan initiatives elsewhere. Letters of inquiry for the fall 2013 grant cycle are due by August 5, 2013. Visit the Foundation's website to learn more about the Climate Change Solutions program.

#### K-12 Science and Math Projects Funded Toshiba America Foundation

The Toshiba America Foundation is dedicated to promoting quality science and mathematics education in U.S. K-12 schools. The Foundation provides grants through the following two initiatives: The Grants Program for K-5 Science and Math Education provides grants of up to \$1,000 to teachers in public or private schools to help them bring innovative hands-on projects into their classrooms. The application deadline is October 1, 2013. The Grants Program for 6-12 Science and Math Education provides small grants of up to \$5,000 and large grants of over \$5,000 to teachers who are passionate about making science and mathematics more engaging for their students. Applications for small grants may be submitted throughout the year. The annual application deadlines for large grants are February 1 and August 1. Visit the Foundation's website for details about each of the grant programs.

Grants Promote Spay/Neuter Programs for Dogs

DJ&T Foundation

The DJ&T Foundation's goal is to fund low-cost or free spay/neuter clinics and subsidize voucher programs across the United States as a way to help relieve the overpopulation of companion dogs. The Foundation awards two types of grants: Spay/Neuter Clinic grants are provided for the establishment of on-site or mobile surgical units, spay/neuter transport vehicles, and equipment for new and established clinics. Spay/Neuter Assistance Program (SNAP) grants are provided to organizations with public outreach programs to spay/neuter dogs that belong to individuals who require financial assistance. (The Foundation's grants are not intended to underwrite the neutering of dogs housed in shelters.) The final grant application deadline for the Foundation is July 31, 2013. Application guidelines and forms are available on the Foundation's website.

#### Community-Based Health Projects for Children Supported

#### **American Academy of Pediatrics: Community Access to Child Health Program**

The Community Access to Child Health (CATCH) Program, a national initiative of the American Academy of Pediatrics, is designed to improve access to healthcare by supporting pediatricians that are involved in community-based efforts to enhance the health of children. CATCH Planning and Implementation Grants of \$5,000 to \$12,000 are awarded to pediatricians and fellowship trainees to develop or implement innovative initiatives that increase children's access to medical homes and available insurance programs. Additional focus areas include secondhand smoke exposure, addressing community barriers to immunizations, and Native American child health. (Grants of up to \$3,000 are awarded to pediatric residents addressing the same issues.) The application deadline is July 31, 2013. Visit the American Academy of Pediatrics' website to learn more about the CATCH Program.

#### Regional Funding Opportunities

Funds for Historic Preservation and Wildlife Rehabilitation Programs in Oregon **The Kinsman Foundation** 

The Kinsman Foundation's mission is to encourage the enjoyment of life through traditional Oregonian and American values. The Foundation provides grants to nonprofit organizations in Oregon and southern Washington that address the following priority areas: The Historic Preservation and Restoration grant category supports the preservation, rehabilitation, restoration, and reconstruction of historic buildings, structures, and related sites. The Native Wildlife Rehabilitation and Appreciation grant category primarily supports wildlife rehabilitation programs offering urgent care to injured and orphaned wildlife native to Oregon and Washington. Small Grant requests of up to \$10,000 are accepted throughout the year. Conventional Grant requests of over \$10,000 must be submitted by August 1, 2013. (The Betty Kinsman Fund for Arts, Culture, and Humanities has a separate application process.) Visit the Foundation's website to learn more about the application guidelines.

# Grants Enhance Employment Programs for Floridians with Disabilities **The Able Trust**

The mission of the Able Trust is to be a key leader in providing Floridians with disabilities opportunities for successful employment. Grants are awarded for a wide range of projects, including on-the-job coaching, supported employment, job skills-training, job development, employer outreach, ADA facility compliance, skills evaluation, and programs leading to employment. The Trust offers the following grant opportunities: The Strategic Employment Placement Initiatives category helps nonprofit organizations create employment opportunities for individuals with disabilities in Florida. Awards in this category range up to \$250,000 and cover a two or three year grant period. The application deadline is September 5, 2013. The General Support for Employment Placement Programs category assists existing programs that facilitate employment for participating individuals with disabilities. Awards in this category range up to \$65,000 for a one year grant period. The application deadline is July 5, 2013. Visit the Trust's website to learn more about the application procedure for both programs.

## Support for Community Betterment Initiatives in Oklahoma **Inasmuch Foundation**

The Inasmuch Foundation is dedicated to the betterment of people, neighborhoods, and communities in Oklahoma. The Foundation primarily provides grants to nonprofit organizations throughout the state for programs that result in the greatest positive outcome for Oklahomans. (Support is also considered for nonprofit organizations that address the Foundation's priorities in Colorado Springs, CO.) The Foundation's areas of interest include education, community enhancement, and health and human services. Projects that involve collaborative community efforts to avoid duplication of services are encouraged. Support is provided for existing programs as well as new initiatives. Online letters of inquiry will be accepted from June 15 through August 15, 2013. For more information, visit the Foundation's website.

Health Care Programs in South Carolina Funded

**BlueCross BlueShield of South Carolina Foundation** 

The mission of the BlueCross BlueShield of South Carolina Foundation is to promote the health

of South Carolinians and to expand access to health care for the economically disadvantaged by supporting integrated research, education, and community service. The Foundation's priority funding areas include the following: Childhood/Adolescent Health, Community Health, Health Care and Free Medical Clinics, Mental Health, Nursing Issues, Prevention of Obesity, and Research. Nonprofit organizations, government agencies, and educational institutions throughout the state are eligible to apply. The upcoming deadline for letters of intent is August 21, 2013. Visit the Foundation's website to review the priority funding areas and access the letter of intent form.

#### Federal Grant and Loan Programs

Rural Economic Development Supported

**Department of Agriculture** 

The Rural Cooperative Development Grant program provides support to improve the economic condition of rural areas by assisting individuals or entities in the startup, expansion, or operational improvement of rural cooperatives and other business entities. The application deadline is July 10, 2013.

Program Assists Low-Income Taxpayers

**Internal Revenue Service** 

The Low Income Taxpayer Clinic program provides support to assist low-income individuals who have a tax dispute with the IRS, or to provide education and outreach to individuals who speak English as a second language. The application deadline is July 12, 2013.

**Economic Development Funded in Native Communities** 

#### **Administration for Children and Families**

The Sustainable Employment and Economic Development Strategies (SEEDS) program supports economic development in Native American communities, with a focus on community-based projects that create small businesses and sustainable job growth. The application deadline is July 15, 2013.

**Discovery of Mystery Creature May Provide Clues to Clarity of Lake Tahoe By Ky Plaskon** 

An unidentified creature has been found near Lake Tahoe. Now scientists are trying to figure out if it should be eradicated or preserved and studied. Monday, May 20, 2013

A Lake Tahoe area scientist has found an unidentified life form in a high-altitude lake. Now agencies in the area are trying to figure out what it is.

University of Nevada Reno Professor Emeritus, John Kleppe pilots a remotely operated vehicle, or "ROV," into the frigid depths of Fallen Leaf Lake near Lake Tahoe. Particles whiz by the ROV's lights like stars.

"It is sort of amazing because when you think about it no humans have seen a lot of what we see. It is like walking on the moon," said Kleppe.

He discovered a 3-thousand-year-old hidden forest still standing. He says it's evidence of past mega droughts. As if that's not strange enough, he has found something living in the forest.

"What we are seeing here is a thing, which is like a balloon of green jell and it will eventually look like a baggie and then like it is creating a gas in it and then float away," said Kleppe.

He's collected samples and sent them to scientists who disagree on what they might be. Last week he got confirmation that they are not jellyfish. Researchers don't yet know wether they are plants or animals or a combination of both. Researchers are trying to figure out if they are an invasive species that should be wiped out. Kleppe doesn't think so.

"They only found them in very clean lakes that were high altitude, maybe it is a natural indicator of clarity. Wouldn't that be a concept! In other words, you wouldn't want to get rid of them, you would want to observe them," said Kleppe.

He had only found them in July in the ancient submerged forest until last year when one of the blobs actually attached itself to his pier.

#### Dead in the water

By Dennis Myers dennism@newsreview.com 06.06.13

A veteran western water reporter says news entities in the West are not doing their job.

In a Columbia Journalism Review interview posted May 16, Arizona Republic and Las Vegas Review Journal reporter Shaun McKinnon said, "Water reporters are definitely an endangered group of people. It's too bad because we are getting into this time when it's probably a bigger issue than it ever has been. We need people who are out there watching and making sure everyone knows what is going on."

Asked what issues need attention, McKinnon said, "Right now the biggest area we need to pay attention to is the effect of drought and climate change. ... Drought and climate change are probably going to limit the water supply, and if they are, how are the various local water managers going to handle that?"

#### McKinnon elaborated to the RN&R:

"I've been fortunate at the Republic, where we still have a large enough staff to maintain strong beat reporters, but I know that's not the case everywhere. Water is a topic that needs a reporter who can put in the time to develop sources and, more important, build an understanding of some complex issues. You can't parachute into a big water story and then give readers or listeners the sort of nuanced telling they deserve. There are some good independent water writers online these days who are producing good reports, but their reach is limited. Meantime, not every paper

devotes resources to a beat water reporter. It's not a topic that generates a lot of clicks or gotcha headlines and so I think it's increasingly seen as expendable."

#### Note: no formal tribal or IHS representation:

THE WHITE HOUSE Office of the Press Secretary FOR IMMEDIATE RELEASE 6.3.13

# FACT SHEET: PRESIDENT OBAMA APPLAUDS COMMITMENTS TO RAISE AWARENESS AND INCREASE UNDERSTANDING OF MENTAL HEALTH AT WHITE HOUSE CONFERENCE

Today, at the National Conference on Mental Health, the President applauded the dozens of commitments made by organizations representing media, educators, health care providers, faith communities, and foundations to increase understanding and awareness of mental health.

The Obama Administration has taken a number of steps to raise awareness and improve care for Americans experiencing mental health issues, including expanding mental health coverage for millions of Americans through the Affordable Care Act, improving access to mental health services for veterans and supporting initiatives to help educators recognize and refer students who show signs of mental illness.

The National Conference on Mental Health is designed to increase understanding and awareness of mental health. As part of this effort, today the Administration is launching mentalhealth.gov, a new, consumer-friendly website with clear and concise tools to help with the basics of mental health, the signs of mental illness, how to talk about mental health, and how to get help. The website also includes a series of videos featuring celebrities and ordinary Americans whose lives have been touched by mental illness.

Recognizing that the government cannot do this alone, the Administration applauds commitments from private sector and non-profit organizations, including in five key areas:

1) Launching new efforts to raise public awareness through television, radio, social media campaigns, and other platforms.

Commitments include:

- The **National Association of Broadcasters** (**NAB**), representing local television and radio stations and broadcast networks throughout the country, is creating a national public service campaign to reduce the stigma around mental illness. The multiplatform campaign, launching this summer, will include TV and radio ads, online ads and resources and a robust social media platform to raise awareness specifically among 13-24 year olds, their friends and caregivers that it's okay to talk about mental health and help is available.
- Blue Star Families, a non-profit organization created by military families to strengthen military families and connect America to her military, is producing a second series of public service announcements entitled "This Country Cares," featuring country music stars telling our military heroes with mental health problems that they are not alone and encouraging them to seek help if they are struggling with these issues.

- As part of their *Love is Louder* campaign, **MTV** and **The Jed Foundation** will promote help seeking and challenge the stigma surrounding mental health by encouraging members of MTV's audience to take any action that supports their or a friend's emotional health, and then share that action with @LoveisLouder. MTV will amplify the best responses through several of its social media channels, which in total reach nearly 160 million fans and followers.
- The Entertainment Software Association and leading video game companies Activision Blizzard, Inc., Activision Publishing, Inc., Bethesda Softworks, Blizzard Entertainment Inc., and Microsoft Corporation will promote consumer resources for mental health and wellness information through their consumer web sites and online communities, which reach tens of millions of people every month.
- Other organizations committing to help raise awareness through television, film, and social media include the **Entertainment Industries Council**, **Facebook**, **Google**, **SchoolTube**, and **Twitter**.
- 2) Teaching students about mental health and helping adults who work with youth recognize early signs of mental health problems and refer kids to treatment.

Commitments include:

- The National Association of Secondary School Principals has called on its 25,000 members -- middle and high school principals and assistant principals from across the country -- to hold an assembly on mental health awareness by the end of 2013.
- The National Parent Teacher Association is partnering with the National Association of School Psychologists to host a webinar for their members regarding mental health awareness. Topics will include how parents can talk to their children about mental health in an age-appropriate manner and start a dialogue on mental health in their children's schools or in PTA meetings.
- The National Association of School Nurses, which represents almost 16,000 nurses serving in schools nationwide, is developing a new online continuing education program on behavioral health for school nurses and sending its members an evidence-based checklist of steps to identify early signs of mental health problems and refer students and their families to treatment if needed.
- YMCA of the USA and the American Psychological Association will work together to develop educational tools and resources to help 18,000 full-time Y staff, as well as 49,000 summer employees who work with youth, to identify the signs of depression and other mental health problems in youth and refer them to appropriate resources. Each year, YMCAs serve about 9 million kids through programs like childcare, afterschool, summer camps, and more.
  - Other organizations making commitments to talk with young people about mental health or educate the adults who work with them include the American Council on Education, American Federation of Teachers, American Psychological Association, American School Counselor Association, Big Brothers Big Sisters of America, Boys and Girls Clubs of America, NASPA Student Affairs Administrators in Higher Education, National Association of School Psychologists, National Education Association, National Panhellenic Conference, North American Interfraternity Conference, School Social Work Association of America, and Skype in the classroom.

3) Giving health care providers the tools they need to screen for mental health problems and encouraging them to lead efforts to raise awareness in their communities.

Commitments include:

- In a new effort, the **American Medical Association** and the **American Psychiatric Association** are partnering to disseminate educational materials developed by the APA to help physicians in all specialties better integrate mental health screenings into their practices, reduce misperceptions of mental illness, and direct patients to additional mental health services when needed.
- The National Association of Public Hospitals and Health Systems is developing and disseminating to its members materials that encourage them to promote access to mental health services and work in their hospital systems to decrease misconceptions about mental illness. Additionally, NAPH is working with its members to host a series of roundtables to engage communities across the country in conversations about mental health.
- Other organizations committing to disseminate information to their members or encourage them to lead new conversations in their communities include the American Academy of Pediatrics, the American Hospital Association, the American Psychological Association, the Association of American Medical Colleges, the Children's Hospital Association, the Federation of American Hospitals, the National Association of Pediatric Nurse Practitioners, and the National Association of Psychiatric Health Systems.
- 4) Convening experts, philanthropic and civic leaders to identify innovative ways to reduce negative attitudes and perceptions about mental illness and improve access to treatment at the local level.

#### Commitments include:

- Civic leaders across the country are joining with philanthropic partners to host community conversations moderated by trained, neutral facilitators to discuss how to raise awareness of mental health and make sure others in their communities get the help they need. The first community conversations will take place in Sacramento, Birmingham, Albuquerque, Kansas City and Washington, D.C. To help raise the profile of these conversations, the National Football League will send former players trained in responding to mental health issues to participate.
- Give an Hour will lead a collaborative initiative with America's Promise Alliance, the Aspen Institute, the Case Foundation and the Clinton Global Initiative to identify successful community-based models of prevention and intervention that have been shown to improve mental health and psychological well-being, and develop a comprehensive strategy for broader adoption of these effective models. They will start by convening veterans and their families, as well as traditional veterans' service organizations and other groups that provide mental health services to this population, to discuss best practices for reaching out to veterans and their families about mental health.
- 5) Launching new conversations in our houses of worship and other faith-based institutions to help people recognize mental health problems and access the treatment they need.

Faith groups from across the country have committed to launch new conversations on mental health by taking steps such as:

- Including a message about mental health in a worship service or other event, and providing congregants with bulletin inserts on mental health issues.
- Developing and disseminating toolkits with resources such as discussion starters to help members continue the conversation about mental health outside of worship services.
- Organizing a session on mental health awareness at an upcoming national conference. Denominations and faith groups that are pledging to take action in their community as part of a national dialogue include: African Methodist Episcopal Church Connectional Health Commission; American Association of Pastoral Counselors; American Muslim Health Professionals; Catholic Charities USA; Church of God in Christ; Evangelical Lutheran Church in America; Interfaith Network on Mental Illness; Islamic Relief USA; Lutheran Services in America; National Baptist Convention, USA, Incorporated; National Episcopal Health Ministries; Pathways to Promise; The Potter's House; Progressive National Baptist Convention; The Religious Action Center of Reform Judaism; The Samaritan Institute; Seventh-Day Adventist Church North American Division; Sikh Council on Religion and Education; United Church of Christ; United Methodist Church; United States Conference of Catholic Bishops.

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Warm Regards, The MCN Pro Team (Museum Computer Network and LearningTimes)

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