

Rotary



Rotary Club of Augusta

October 21, 2024 Club Assembly



OCTOBER

**Economic and
Community
Development
Month.**



The image features a large American flag waving on a silver pole against a bright blue sky with scattered white clouds. The flag is the central focus, with its stars and stripes clearly visible. The text is overlaid on the right side of the image.

PLEDGE AND INVOCATION

Presented: by David Hudson

THE SUNSHINE REPORT

Presented by:
William Keogh



Presented By :
Bill Franke

VISITORS AND GUESTS



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Rotary Club of Augusta



Member Anniversaries: Celebrating Years as a Rotarian

Tom Denlinger	10 years
Henry Holt	1 year
Millie Huff	6 years
Clayton Jolly, III	9 years
Alicia Sweat	3 years
Rebecca Sylvester	1 year
Mickey Williford -	3 years



WORLD POLIO DAY
IS 24 OCTOBER



One Day. One Focus: Ending Polio

World Polio Day is a time for Rotary members, public health advocates, and all who want a world free from polio to come together, recognize our progress in the fight to end polio, and talk about the actions we need to take to end polio for good.

All donations are matched 2:1 by the Bill & Melinda Gates Foundation, tripling your impact!

[Donate Now](#)

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Program Speaker

Dr. Rodger MacArthur, MD
Professor, Infectious Disease



A BRIEF HISTORY OF THE WORLDWIDE POLIO EPIDEMIC

Rodger D. MacArthur, MD, FIDSA, FACP

21 October 2024

Rotary Club of Augusta, GA



BACKGROUND

- Poliovirus is an enterovirus, meaning that it replicates in the GI tract
- Spread is primarily via the fecal-oral route (but also by droplets)
- Poliovirus first isolated in 1909; structure not elucidated until 1958 (by x-ray crystallography) by a team led by Dr. Rosalind Franklin at Birbeck College (London)
- Originally, 3 strains: WPV-1, WPV-2, WPV-3. Now, WPV-1 and cVDPV (both of which can cause paralytic disease and death)
- Clinically, poliovirus can be asymptomatic, flu-like symptoms only, or can lead to paralysis and death (20 – 30 percent of the time)
 - Incubation period: 7 – 10 days
 - No treatment is available
 - Infects humans only
 - 3rd viral disease to be discovered, after smallpox and rabies
- Early reservoir theories
 - Italians
 - Flies and mosquitos
 - Car exhaust
 - Cats



THE POLIO VACCINE

- 1935: 2 separate researchers, John Kolmer and Maurice Brodie, developed polio vaccines with “promising results”
 - Vaccinated children in each study died
 - Both trials were cancelled (stopped early)
 - The public and other researchers were so angry that no further attempts were made for almost 2 decades
- 1952: Jonas Salk
 - Developed an inactivated injectable vaccine
 - 60 – 70% effective against PV1; 90% effective against PV2 and PV3
 - Also worked to develop influenza vaccines at University of Michigan (supported by the US Army)
- 1955: Mass vaccination campaign started
 - Safety: Over 250 cases of vaccinated limb paralysis due to inadequate inactivation
- 1961: Albert Sabin: live oral vaccine introduced to tremendous acceptance
- Polio cases numbered 35,000 in 1953; only 161 cases in 1961
- Both OPV and IPV are 90% effective after 2 doses; 99% after 3 doses
 - OPV is easier to administer and is preferred for mass-immunization efforts
 - OPV is associated (rarely) with vaccine-related disease
 - Since 2000, IPV the only polio vaccine used in the USA



Prevention



An infant in Pakistan gets an oral poliovirus vaccine. Pakistan and Afghanistan are the only countries in the world where wild poliovirus is still endemic (consistently present). Credit: ©UNICEF/U.S.

CDC/UN0828390/Bashir

Two types of vaccines are available to help prevent polio.

Two types of vaccines are used to help prevent global polio: oral poliovirus vaccine (OPV) and inactivated poliovirus vaccine (IPV), which is given as an injection.

OPV is the vaccine used globally to eradicate polio, which can spread in areas with poor access to clean water, handwashing, and good sanitation. In those settings, OPV offers an inexpensive and efficient way to immunize people against polio.

Since 2000, only IPV has been used [in the U.S.](#)

Terms to know

- **Did you know?**
- Only one human disease (smallpox) has been eradicated. The World Health Assembly has declared polio a candidate for eradication.
- **Disease elimination** happens when there are no more cases of a disease in a certain geographical area.
- **Disease eradication** happens when there are no more cases of a disease in the world.

Three actions are urgently needed to end polio once and for all:

Strengthen routine polio immunization, ensuring all infants receive several doses of polio vaccines before one year of age.

Detect polio cases in a timely manner.

Rapidly respond to outbreaks with high-quality vaccination campaigns.



WORLD-WIDE ERADICATION EFFORTS

▪ **Rotary International**

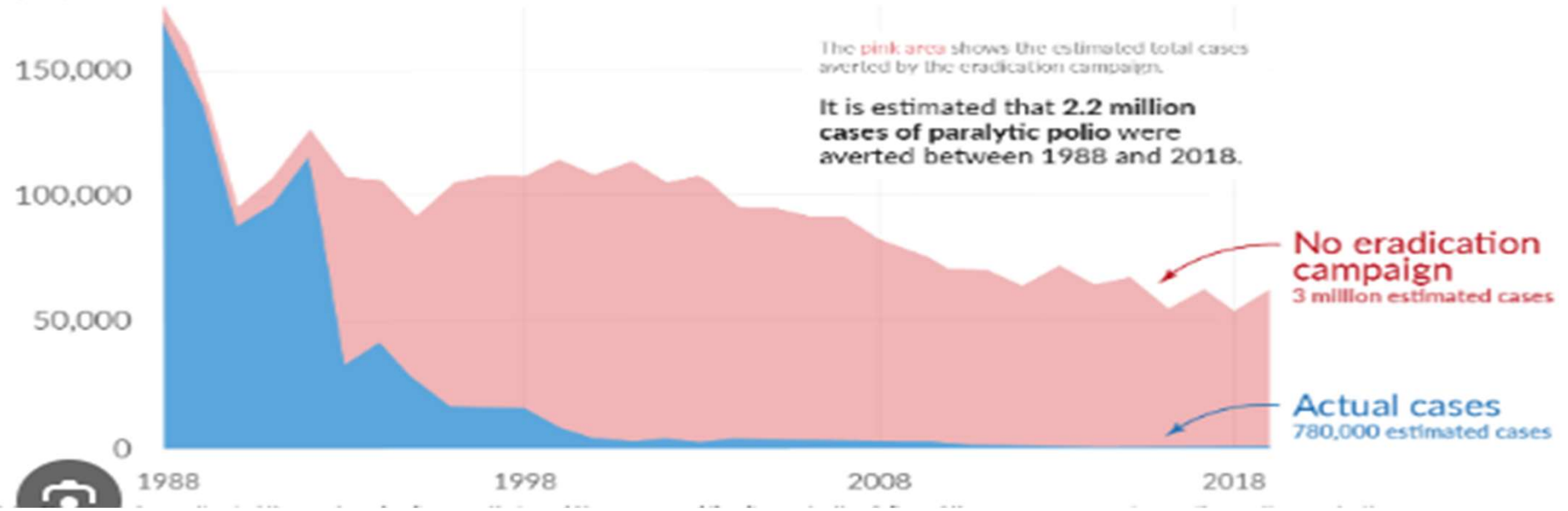
- **1978: Committed to a pioneering effort to fund the fieldwork necessary to eliminate polio**
- **1979: Signed an agreement with the Philippine Ministry of Health for a joint multi-year initiative to immunize children against polio**
- **1985: Announced its PolioPlus program, the first initiative to use mass vaccination to fight polio globally**
- **2007: Gates Foundation awards a \$100 million challenge grant to Rotary, which was increased to \$200 million in 2009 (Rotary committed to meeting the new goal by mid-2012)**
- **To date, Rotary members have contributed over \$1 billion to the effort, and helped to immunize 2.5 billion children in 122 countries, resulting in a 99.9% decrease in cases**
- **Global Polio Eradication Initiative (GPEI) launched in 1988 as a partnership among: WHO, Rotary International, UNICEF, Gates Foundation, CDC, and GAVI**



How many cases of paralytic polio were averted by the Global Polio Eradication Initiative (GPEI)?

With the GPEI, 105 countries received support for surveillance, childhood immunizations and campaigns to control new outbreaks.

Estimated number of cases of paralytic polio per year



STILL WORK TO DO: THE END GAME

The latest on where Gaza's polio came from — and the race to contain it

SEPTEMBER 13, 2024 · 12:26 PM ET



A health worker administers an oral polio vaccine in Zawayda, in the central Gaza Strip. The World Health Organization says that in less than two weeks, they've helped administer more than 550,000 polio vaccines to children across the enclave. Now they're gearing up for the second dose.

Eyad Baba/AFP/Getty Images

- Polio is still endemic in Afghanistan and Pakistan
 - Afghanistan (mid-2024 data)
 - 5 new cases (WPV1)
 - 44 positive environmental samples (WPV1), down from 62 in 2023
 - All recent cases have been along the border with Pakistan
 - Environmental samples also detected in the South of Pakistan, where prohibition of house-to-house vaccination efforts remain in place
 - Pakistan (mid-2024 data)
 - 9 new cases (WPV1)
 - 186 positive environmental samples (WPV1), up from 126 in 2023



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Today's Challengers

INSIDE CART CHALLENGER

STEVE BOLER

Contribute to the blue buckets
or online at mycartfund.org



A Project of the Rotary Clubs of North America

FOUNDATION MONDAY



DONOR RECOGNITIONS

- \$2,000 to 2,999.99 - one sapphire
- \$3,000 to 3,999.99 - two sapphires
- \$4,000 to 4,999.99 - three sapphires
- \$5,000 to 5,999.99 - four sapphires
- \$6,000 to 6,999.99 - five sapphires
- \$7,000 to 7,999.99 - one ruby
- \$8,000 to 8,999.99 - two rubies
- \$9,000 to 9,999.99 - three rubies

Matt Barrett PHF +3



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Donate

Create an account or sign in.

Login: myrotary.org

Click on Donate on Top Right

Check Mark for Donation to:

- Annual Fund Share
- Polio Plus
- Disaster Relief

Rotary Zones 33/34 



HELP NEEDED

Thank you for helping the recovery efforts.

DONATE

Scan the QR code or visit:
rizoness33-34.org/disaster-recovery/



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AK Gulati and Susan Everitt are at the FEMA and RED CROSS HUB Center to welcome and provide packages to the victims of Hurricane Helene



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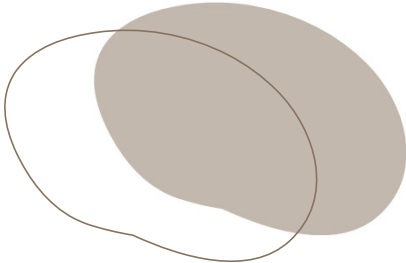
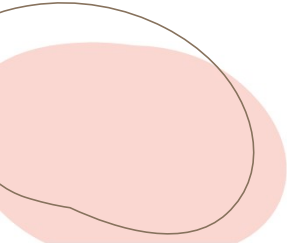
Richard Roger





Rotaract Club of Augusta University

2024-2025



Meet the Team



President: Shivam Patel

Volunteer Coordinator: Mit Patel

Vice President: Raul Valenzuela



Event Coordinator: Angela Francis

Treasurer: Aditi Yellu



Secretary: Sai Doma

Social Media Chair: Claire Johnson



Inclusive Community



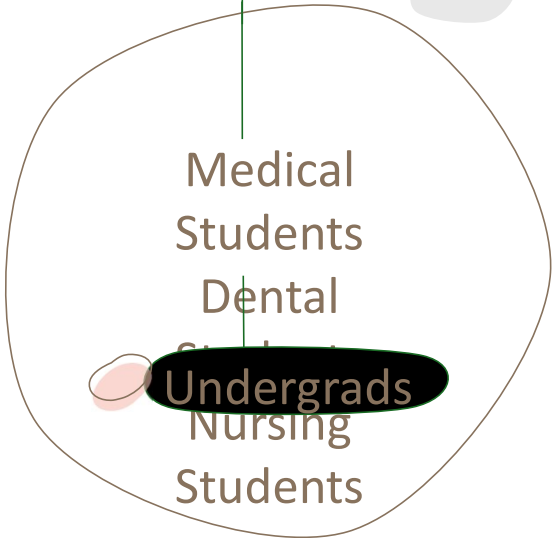
Associated with Rotary Club



Networking

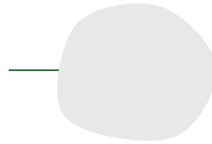


2020

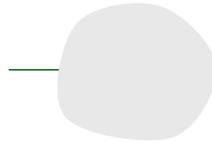


Volunteer Opportunities

Masters Table



Phinizy Swamp



Augusta Dream Project



Ronald McDonald House



Take Back the Block





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2024 College Pick'em

Stacy Tallent



30 OCTOBER- 5 NOVEMBER, 2023

WORLD INTERACT WEEK

#WorldInteractWeek

- 1. Fundraising for Rotary**
 - **Rotary Foundation**
 - **Area of Focus**
 - **Polio Eradication**
- 2. Participate in the INTERACT Reward**
 - **Service Project**
 - **Submit a video by December 2, 2024**



Upcoming Club Meetings

- **Naomi Stanton first Executive Director of GAP Ministries will speak on GAP Ministries on October 28, 2024.**
- **Dr. Lauren Bigham is Director of the Psycho-Social Oncology Program at Augusta University Medical Center. She will speak on "Moving the Needle" The what and how of mental health" care on November 4, 2024.**
- **No Meeting on November 11, 2024 due to Veterans Day Holiday.**

IMPORTANT

ANNOUNCEMENT



Healing in a Divided World

PRESIDENTIAL PEACE CONFERENCE

Istanbul, Türkiye • 20-22 February 2025

Register today at rotary.org/istanbul25





THE FOUR-WAY TEST

Of the things we think, say or do:

first

Is it the **TRUTH**?

second

Is it **FAIR** to all concerned?

third

Will it build **GOODWILL** and
BETTER FRIENDSHIPS?

fourth

Will it be **BENEFICIAL** to
all concerned?