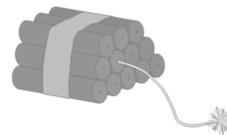


The Primer



Newsletter of the Golden West Chapter, International Society of Explosives Engineers
430 32nd Street, Suite 100, Newport Beach, CA 92663

Volume 32

Winter 2021

Issue 4

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The Primer is published four times per year on the web site of the Golden West Chapter of the ISEE:

www.iseegoldenwest.org

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mburneson@syar.com

President's Message...

Hey Members, Guests & Supporters,

As I write this message, we here in California are finally getting a good dose of rainfall and snowfall that we desperately need. Let us hope that continues. Unfortunately, our friends in six mid-west states received devastating tornados throughout their communities. Let's keep them in our thoughts this Christmas season. You have probably already guessed it. We the board and officers of the Golden West Chapter of the ISEE have determined that it is still too risky to the health of our membership to hold our annual 2021 business meeting at the Mount Pleasant Hall or anywhere else for that matter. That being said, We have set a date to hold our annual Business Meeting via ZOOM on January 28th 2022 at 7pm. It's my opinion that this will be a very important meeting to discuss the future of our chapter.

Hope to see you there.

Please see Mike Burneson's Editor's notes for additional details.

Be Safe and enjoy the newsletter,

Your President
Mike Chiurato

The Primer

Editors Notes ...

I would like to start off by wishing everyone a very Happy Holiday and prosperous New Year. Together, there is no doubt we will overcome what 2022 and beyond has in store. 2021 sure had its ups and downs. Just when I thought things were getting somewhat back to normal this new variant has everything moving in the wrong direction. The number of new covid cases since Thanksgiving is very alarming. I am concerned that by the end of January things could go south. I am disappointed to announce that the officers and board of directors have determined that in lieu of an in person business meeting, we have opted to hold our annual business meeting via Zoom. Those of you without access to Zoom will be given call-in instructions. The meeting invite will be sent to all members after first of the year. The meeting will be held on January 28, 2022 at 7PM. We will hold our election for the following positions: President, Treasurer and a Board member. We will discuss dues for 2022. We will discuss where we stand with our scholarship recipients and our current debt obligations. I want to thank Eric Bennett (Board Member) of EROCK for his contribution of the redundant sequential trenching pattern and the parallel burn shaft design templates.



In memory of H. Earl Taylor Jr.

March 9, 1946—August 18, 2021

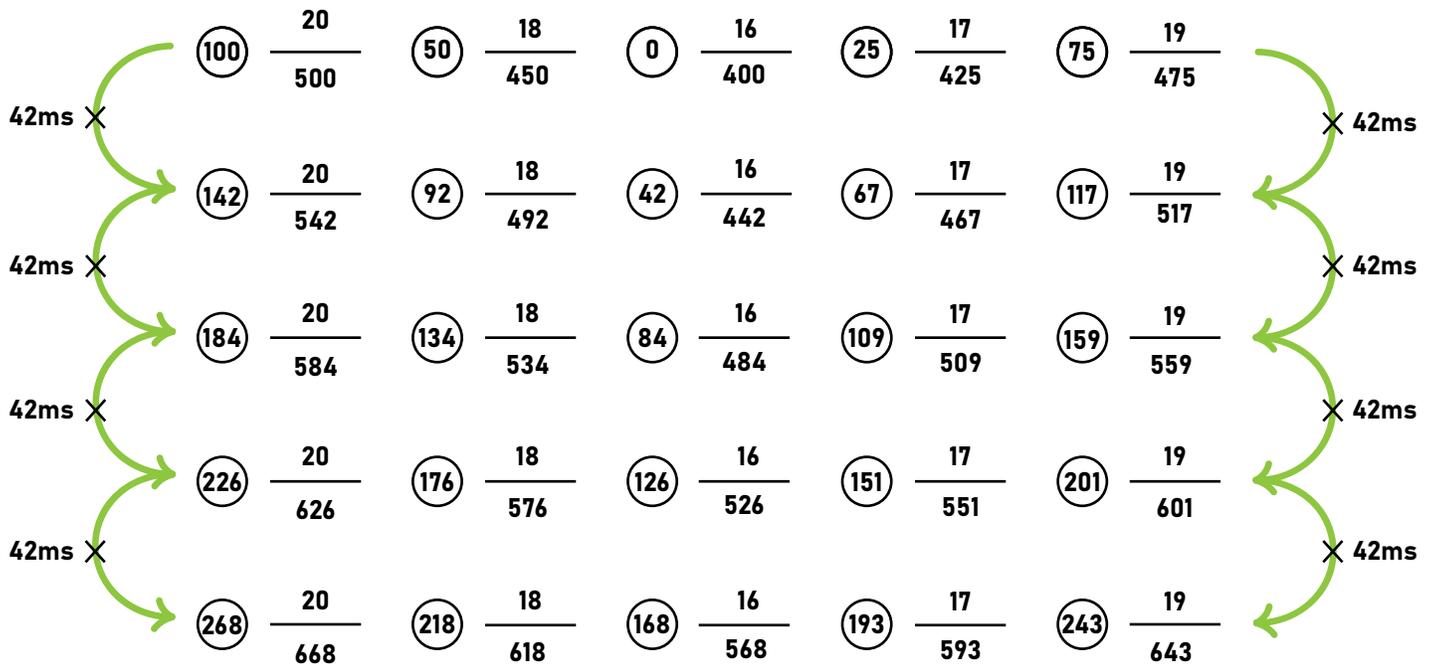
H. Earl Taylor Jr. passed away peacefully surrounded by his family on Wednesday, August 18, 2021. Earl was a very generous supporter of the Golden West Chapter on behalf of Texas AGA Insurance. Earl was born in Dallas Texas on March 9, 1946.

In memory of Calvin Joseph Konya PhD

June 23, 1943—November 28, 2021

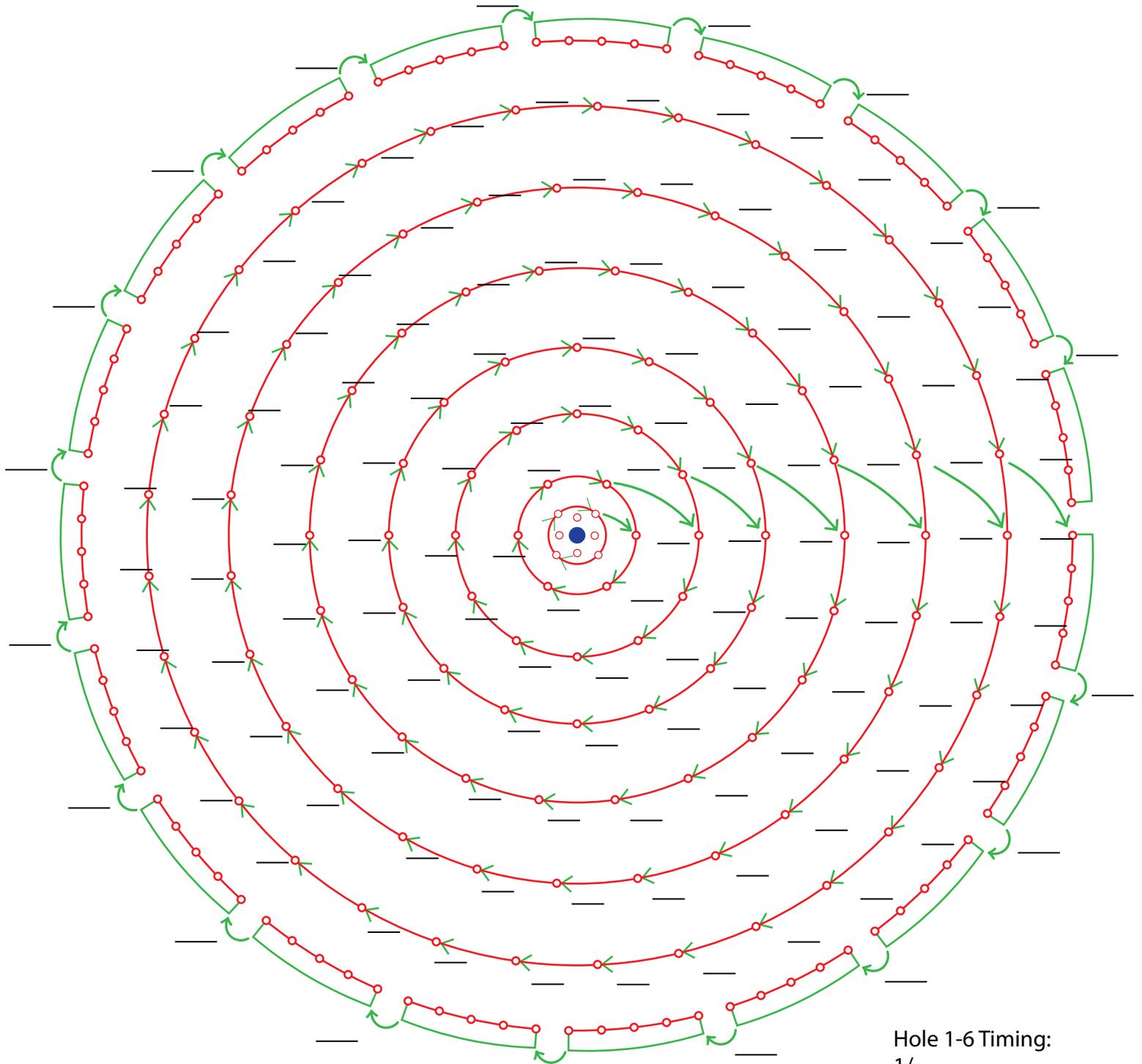
Founder, First Executive Director, and First President of the International Society of Explosive Engineers; Founder and President of Intercontinental Development Inc. Over the years, he authored over 150 books, papers, and publications in blast engineering, many of which were translated into 10+ different languages around the world.

Redundant Sequential Trenching Pattern



- Total surface initiation = 168ms
- Fully activated down hole up to 9 rows
- Completely Redundant
- Requires following inventory:
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42ms connectors.

Parallel Burn Shaft Design Template



Perimeter Hole Burden: _____

Perimeter Hole Spacing: _____

Production Hole Burden: _____

Production Hole Spacing (Along Row): _____

Burn Hole Diameter: _____

Hole 1-6 Timing:

1/ _____

2/ _____

3/ _____

4/ _____

5/ _____

6/ _____

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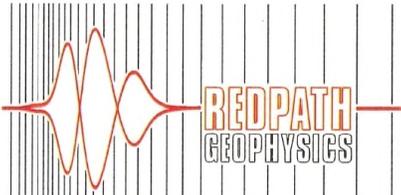
Could Be Here

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2021 Golden West Chapter Officers

President: Mike Chiurato

Secretary: Joe Stack

Treasurer: Jerry Fulghum

Board Member: Mike Burneson

Board Member: Eric Bennett

Business Meeting January 28, 2022 7PM

Zoom meeting invite will go out first week of January 2022



Golden West Chapter
Of the
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430 32nd Street, Suite 100, Newport Beach, CA 92663



The Wesley L. Bender Scholarship Fund

The Golden West Chapter established the scholarship fund at the business meeting held on Saturday January 7, 2012. Our first recipient of this award was Spencer Reid. Spencer is the son of one of our past presidents, Bill Reid. Our next scholarship was awarded to Holly Haughy who received the award in 2013-2016. Holly is the daughter of Carey and Jim Haughy, both long-time members of the Chapter. Jim served on the Board of Directors and Carey served as the Chapter Secretary for many years and was awarded a Life-time Membership in recognition of her years of service. All of the students who receive these scholarship awards were chosen by the judging committee. In 2018 we awarded two \$8,000 scholarships. They were awarded to America Aguilar-Andrade and Charity Goldsmith Ding. In 2019 We awarded two more \$8,000 scholarships and they were awarded to Cody Mallman and Gracie Goldsmith Ding. We are very pleased to announce that Charity Goldsmith Ding has just sent the scholarship committee her Fall grades and proof of enrollment. Charity has been carrying a very big load of classes and just finished 7 semesters with a career GPA over 3.58. The following is a note from Charity.:

“As my undergraduate career is coming to an end. I just want to thank you for your amazing support of me. It’s been a wild ride and I can’t believe I’m going into my last semester at York College. I couldn’t have done it without you :) “

Mike Chiurato President of the Golden West Chapters response to Charity’s email:

“It's rewarding to see how far you have come Charity and the adversities you overcame to get there!

Great job!!”

The Golden West Chapter is proud to be able to contribute funds to help these students in achieving their scholastic goals.

Fire in the Hole...

The Jewish Quarterback

The coach had put together the perfect team for the Chicago Bears.

The only thing that was missing was a good quarterback.

He had scouted all the colleges and even the Canadian and European Leagues, but he couldn't find a ringer who could ensure a Super Bowl win.

Then one night while watching Fox he saw a war-zone scene in the West Bank.

In one corner of the background, he spotted a young Israeli soldier with a truly incredible arm.

He threw a hand-grenade straight into a 15th story window 100 yards away. KABOOM!

He threw another hand-grenade 75 yards away, right into a chimney. KA-BLOOEY!

Then he threw another at a passing car going 90 mph. BULLS-EYE!

"I've got to get this guy!" The coach said to himself. "He has the perfect arm!"

So, he brings him to the States and teaches him the great game of football.

And the Bears go on to win the Super Bowl.

The young man is hailed as the great hero of football, and when the coach asks him what he wants, all the young man wants is to call his mother.

"Mom," he says into the phone, "I just won the Super Bowl!"

"I don't want to talk to you, the old woman says. "You are not my son!"

"I don't think you understand, Mother," the young man pleads. "I've won the greatest sporting event in the world. I'm here among thousands of my adoring fans."

"No! Let me tell you something young man!" his mother retorts. "At this very moment, there are gunshots all around us. The neighborhood is a pile of rubble. Your two brothers were beaten within an inch of their lives last week, and I have to keep your sister in the house so she doesn't get attacked!"

The old lady pauses, and then tearfully says,...

"I will never forgive you for making us move to Chicago"

The Primer

Fire in the Hole...

The following question was included on a University of Washington chemistry midterm exam:

"Is Hell exothermic (gives off heat) or endothermic (absorbs heat)? Support your answer with proof."

Most of the students wrote proofs of their beliefs using Boyle's Law (gas cools off when it expands and heats up when it is compressed) or some variant.

One student, however, wrote the following: First, we need to know how the mass of Hell is changing in time. So, we need to know the rate that souls are moving into Hell and the rate they are leaving. I think that we can safely assume that once a soul gets to Hell, it will not leave. Therefore, no souls are leaving.

As for how many souls are entering Hell, let's look at the different religions that exist in the world today. Some of these religions state that if you are not a member of their religion, you will go to Hell. Since there are more than one of these religions and since people do not belong to more than one religion, we can project that all people and all souls go to Hell. With birth and death rates as they are, we can expect the number of souls in Hell to increase exponentially.

Now, we look at the rate of change of the volume in Hell because Boyle's Law states that in order for temperature and the pressure in Hell to stay the same, the volume of Hell has to expand as souls are added.

This gives two possibilities:

1. If Hell is expanding at a slower rate than the rate at which souls enter Hell, then the temperature and pressure in Hell will increase until All Hell breaks loose.
2. Of course, if Hell is expanding at a rate faster than the increase of souls in Hell, then the temperature and pressure will drop until Hell freezes over.

So which is it?

If we accept the postulate given to me by Miss Theresa Banyan during my Freshman year, "That it will be a cold night in Hell before I sleep with you," and take into account the fact that I still have not succeeded in that area, then (2) cannot be true, and so Hell is exothermic.