



PROBUS CLUB OF HYDERABAD

President : RK Bajaj ; Vice President: R. Vijaya Lakshmi
Secretary: CSY Sankara Rao; Jt. Secretary : Aditi Mukherjee ; Treasurer: P. Jayaprada
Committee Members : M.Chidambara Rao; Dr. N. Raghupathi Rao ; Aruna T
Immediate Past President: Dr. RHG Rau; Immediate Past Secretary : Kamal Sukhija
Editorial Team: Dr. R.H.G.Rau, Aditi Mukherjee, P. Jayaprada

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1. EVENTS OF THE MONTH

MEETING OF SEARCH COMMITTEE

As decided at the Jan 2024 Regular Monthly Meeting, the first meeting of the Search Committee was held at the residence of Pr. Dr. RHG Rau on Sunday 4th February 2024. The mandate was to suggest the names of Managing and other Committees for the year 2024-25.

The Search Committee members are: Pr. RK Bajaj, Pr. Dr. RHG Rau and Pr. Kumar T. After deliberations and consultations among the concerned Probians, a few names emerged for filling the posts of Office Bearers, other Managing Committee members, Elected members, Coopted Members and Committee Chairpersons. These names were discussed at the RMM of Feb 2024.



VISIT TO Pr. KVK's RESIDENCE

With a view to get inputs from Pr. KV Krishna Murthy (89), who served as Secretary during 2005-6, as President during 2008-9, as Editor of PCH Newsletter during 2007-8 and 2013-15, and also who captured several key events of our Club on his camera, Pr. G. Ramakrishna (Chair- Archives Committee), Pr. Dr. RHG Rau and Pr. R.Vijaya Lakshmi visited KVK's home on 7th February. It was a memorable one-hour chat with him and Pr. Rajalakshmi.



RMM OF FEB 2024

The Regular Monthly Meeting of February 2024 was held at Hotel The Plaza on Sunday the 25th, between 10.30 am- 1.30 pm. The meeting was attended by 19 members and three guests. President Pr. RK Bajaj chaired the meeting, assisted by Pr. Aditi Mukherjee, Joint Secretary.



Highlights of the meeting:

- President welcomed the participants and the guests Mr. Bhishma Kumar, Mrs. Asha Sinha and Mrs. Rani CD.
- Humour of the day was shared by Pr. M. Chidambara Rao, Pr. Dr. RHG Rau, Pr. Dr. Manohar Kumar, Pr. Ravi M, Pr. G. Ramakrishna and Pr. Zaheer MA.
- Felicitation and Caring session was conducted by Pr. P. Jayaprada:

HAPPY BIRTHDAY TO PROBLANS :

Gurmukh Sahani: 26th February

WEDDING ANNIVERSARY OF PROBLANS :

CSY Sankara Rao & Aruna: 22nd February; Dr. N. Raghupathi Rao & Jhansi Lakshmi: 27th February.

The felicitation ended with blowing the candles specially arranged for the event, with best wishes to the celebrants.



.....Contribution: Pr. Dr. ManoharKumar

ELECTION FOR 2024-25

President Pr. RK Bajaj invited Pr. Kumar T to conduct this session as Returning Officer. Pr. Kumar recalled that a Search Committee was constituted at the Jan RMM to suggest the names for filling the posts of Office Bearers, other members of the Managing Committee, coopted members and the Chairs for various committees, for the Club Year 2024-25.

The suggested names, arrived at after consultation, and prior consent from the concerned, were read by Pr. Kumar T. The members unanimously approved the names of Probians who will be guiding the Club activities for the coming years.

They would be formally taking over their new responsibilities at the RMM of March 2024.

SPEAKER SESSION:

Pr. Dr. RHG Rau was the Internal Speaker. He gave a popular lecture on “Your Smart Phone – Some Insights” Among the take-homes are:



.....Contribution: Pr.Dr. Manohar Kumar

- Smart Phone Development is a fascinating story.
- The earliest Cell Phone was invented by Dr. Martin Cooper (USA) in 1973 and was brick-shaped
- Ten years later, the first commercial Cell phone was put in market by Motorola.
- Smart Phone was invented by Motorola in 1992, capable of handling many functions, such as personal computing, communicating, internet access, touch screen interfacing, Operating System capable of handling several functions, GPS with the help of 27 Satellites orbiting the earth, and a few others.
- Cell phone usage has been recording significant growth last few years. Currently around 50% of Indian population uses cell phones, while the usage is 70% in China and 80% in USA.
- Among the key components are: touch screen, printed circuit board, antenna, LCD, key board, microphone, speaker, battery and camera. PCB is like brain – handling millions of calculations per second.
- Every component has an interesting story covering its development. As an example, he described Touch Screen functions, components and its construction.
- Smart Phones have high memory with low energy requirement. Currently Android has a memory of 128 Gigabytes. It's processes can handle one billion instructions per second.
- Improvements are also in the field of “Latency”, the delay between the action taken by the user and the instruction reaching the destination. Today 5G phones are ensuring typically a 5 millisecond delay.
- Current challenge in the development of Smart Phones is to integrate its functions with Artificial Intelligence and also Machine Learning.

The topic being contemporary, and the subject being interesting, the discussions, both during the talk and later, were lively. Many participants also brought out the negative impact of the Cell Phone usage on the users, families and Society.

Later, the participants moved on for lunch at the Hotel.

2. FOR FREE TIME READ

Down The Memory Lane: Episode- 19

St. Vatican City (March 1955)

We had been out of India for more than 3 years. Sarla was getting little impatient to be back with her people in Jodhpur. My elderly mother was also interested in our coming back, while Philips were keen for my staying on. They even offered to call my mother to Netherlands. She declined. Finally it was decided that we would go back and to begin with looking after the technical problems arising in their young radio factory and manufacturing unit which were coming up in Kolkata. During our stay in Netherlands we had been to almost all places of interest in Europe except the Scandinavian countries.

On our way to India we wanted to visit at least Rome and the Vatican City. My travel agent managed it for us. He booked us on a KLM flight to Rome such that the next flight to Karachi was after 2 days. From Karachi we had to take a Dakota flight to Jodhpur next day. We welcomed this arrangement because it gave us 2 days in Rome at the cost of KLM.



We were strongly advised to ensure that we entered Italy fully protected by insurance. It seems that pickpockets would even steal your ball pen for the fun of it and to boast among their friends that they had stolen it from an Indian lady. For the professionals in this field stealing was fun and a game of a skill. We took the advice seriously and covered ourselves fully with insurance.

We were in Rome in the afternoon in KLM booked hotel, not a very posh one, and in an Italian community area. It was on the second floor with a wide window opening towards the west permitting cool Mediterranean breeze flowing in. We were woken up well past the midnight by an Italian neighbour singing alone in a heartbroken tone. In the deep silence of the midnight it even sounded bizarre, somewhat ghostly and gave an eerie feeling.

Next morning being Sunday we decided to go to the Vatican City. It was about an hour drive within Rome and is an Independent State within an Independent Country. We woke up to a pleasant proverbial *Mediterranean* cool breeze. We were enjoying soothing Italian morning.

On the other side of the road there were residential flats and I could see an Italian lady buying eggs from a vendor while another lowering a basket from her third floor window, the basket carried an envelope which probably contained the money and the list.

We had decided to go on that day to Vatican City particularly have the “*darshan*” of the Pope, who was said to appear in a window in his apartments and bless the crowd gathered in the St. Peter’s Square. We were there in time. There was already a huge crowd waiting to have his “*darshan*”.



Sharp at 11.30 the window was opened and the word “look” went around. Everyone turned and cranked up their neck to look towards it. Most of the crowds were Americans. The neck cracked up a few degrees more. Our neck had started paining expecting Pope to appear any time and bless us. Sarla had got tired she gave up murmuring that he must be like any other German.

Minutes passed and we were still looking up. Then somebody whispered that he may not appear because he is not well. Elderly American quite whispers said that it is also being known as the window of the disappointments. When it became clear that Pope was not likely to give “*darshan*” on that day the whole crowd rushed towards St. Peter’s Basilica. It is said to be the largest Catholic Church in the World.

As we entered, two big statues greeted us, one of Jesus wearing thorn of crown and the other of Mary holding the body after crucifixion.

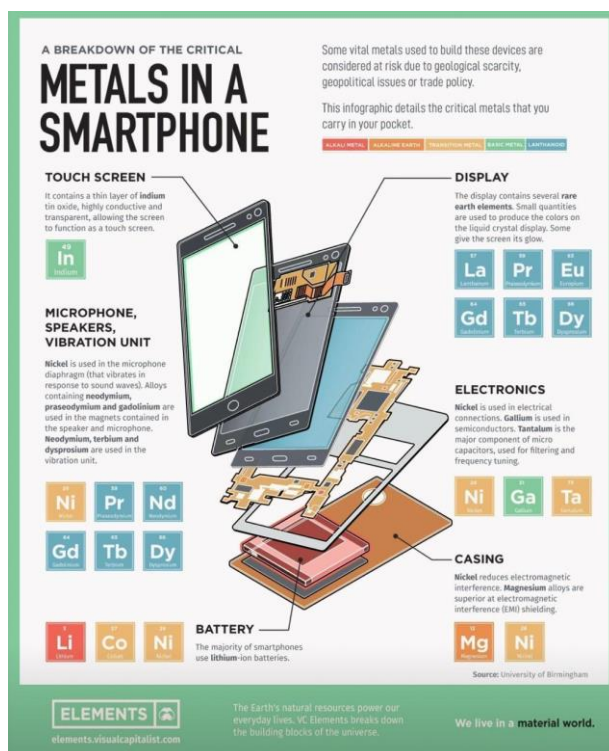
The Basilica said to have been built at the spot where St. Peter was buried and it took 400 years to complete its construction. 91 Popes have since then buried in the Basilica. Its walls were decorated with statues of Saints who had visited the Church. There were huge glass tables exhibiting important Christian relics. The Church is so huge that its dome can accommodate 4 statues of liberty which probably justifies its claim to be the largest Church of Catholics in the world.

We were too tired to go through every relic in detail and entered from the Church the huge Museum of Christian paintings and carvings with relics from all over the world. It is said that even if one would spend a minute to admire each item it would take 4 years to finish all of them.

We rushed through it, we had our lunch and Sarla did her usual shopping of antiques and mementos. We rushed back to our hotel; we wanted to be early at the airport so that we could see a bit of Rome next day. Our flight to Karachi was in the afternoon and I also wanted time to purchase a LCD projector.

.....*Contribution: Pr. RN Mital (98)*

Metals in Smart Phone:



3. FOR MENTAL STIMULATION

A: Anagram Fun:

Jan 2024 issue of PCH Newsletter presented to you a few anagrams to solve. It is scientifically proven through new and powerful imaging techniques that exercises like Puzzle-solving can generate new Neurons, the new nerve cells in brain, enhancing mental agility, independent of age. Now, try to solve the following additional games on Word Anagrams:

a. Can you make a single word from the given phrase?

- a bet
- to bore
- the rat
- ripe sin

b. Can you make a single word, the name of a celebrity?

- radium care
- occasional nude income
- seen alive
- i end lives

c. Now we will mix things up a bit, increasing the difficulty level. Can you make either a new word or new phrase from the given phrase or sentence?

- i. Cry editor
- ii. Cook, catch her
- iii. Love lab
- iv. Evil voices rant on

EDITORIAL



Dear Friends,

We had a fruitful month. The Search Committee had a business-like meeting to complete the mandate given to its members. We are thankful to all the Probians who came forward and agreed to serve the Club on various committees for the coming year.

We are grateful to Pr. RN Mital (98) for his Episode 19. It sure is a highlight of this Newsletter. He continues to be a role model with sharp memory, as reflected in his continuing contributions.

Many thanks to Pr. KV Krishna Murthy and Pr. Rajalakshmi for their hospitality when we visited their residence for inputs on the collation of PCH Memorables as archives.

As a Metallurgist and a Material Scientist, I could not control my temptation to share with you the major developments, revolutionizing the Smart Phone technology. Even minute quantities of the materials used are partnering in the mind-boggling global technological developments in communication sector. It appears sky is not the limit in the related application arena.

While appreciating my talk, our highly respected senior member Pr. M. Chidambara Rao said I could have covered a few technical aspects also in my lecture. I said it was a conscious decision of mine. I tried to cover up to an extent, with a pictorial representation in this Newsletter.

With Regards,

Dr. R.H.G.Rau
28th February, 2024