

# southern star

...अवघे धरू सुयंथ

## Official Bulletin Of The Rotary Club Of Pune South

President:  
Rtn. Sanjeev Ogale

Secretary:  
Rtn. Abhijit Deshpande

Editor:  
Rtn. Mridula Ghodke

*Celebrating Youth  
Service Month*





# क्या बात है

Infant warmer donation to Ramabai Aambekar Maternity Hospital under Rotary district's 3131 Mamata Synergy project. This project was sponsored by First Lady Sneha Ogale.



## Donations

"Deliver Happiness and Spread Smiles"

**Rotary District 3131**



**Thank you!**  
PP **Sudhir Waghmare**

For additional Contribution of 500 USD to APF .

- Already contributed 1000 \$ in RY 22-23 for APF & is a MD Level 1 to TRF.

**The Rotary Foundation**

DG Dr.Anil Parmar & Team TRF 22-23

"Deliver Happiness and Spread Smiles"

**Rotary District 3131**



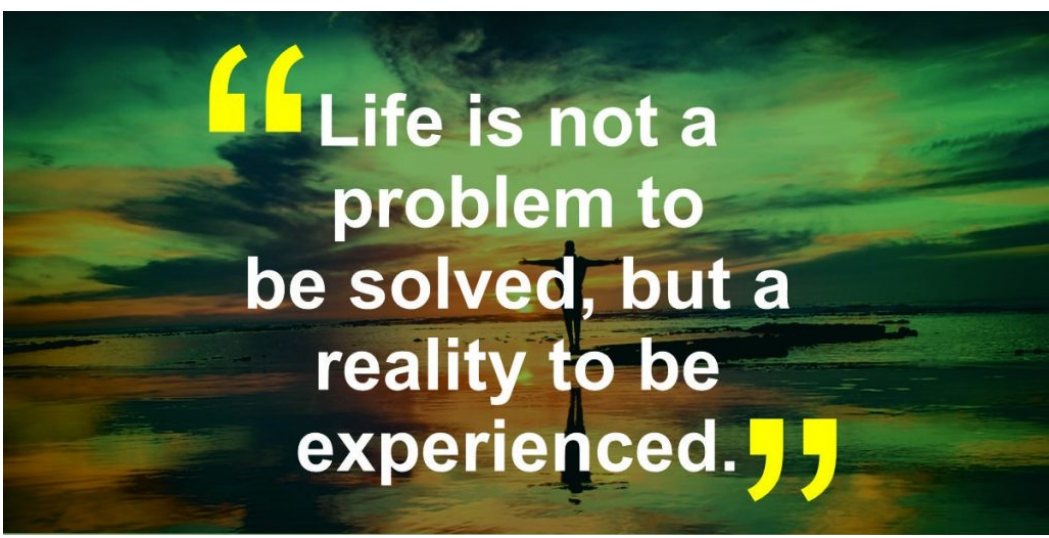
**Thank you!**  
PP **Dr. Kiran & Geetanjali**

(District Co-Director Maternal and Child Health)  
RC Pune South

For Contribution 1000\$ to APF.They are already MD Level 1 Couple.

**The Rotary Foundation**

DG Dr.Anil Parmar & Team TRF 22-23





# OpiniOn

## Matters

मत महत्वाचे



## Global Warming- Precursor to Ice Age?

Rtn. Dr. Subhash Deshpande

Currently Global Warming is a highly sensitive and discussed subject. There are many traits of opinions about the actuality, causes and the culprits of the Global Warming .Under developed or less developed nations blame developed nations' industrial growth and consequent production of greenhouse gas as well as over utilization of precious resources of Earth, for Global Warming. On the other hand, developed nations blame, under developed nations for their old, outdated and inefficient technology for Global Warming.

It has been noticed that Global Warming has occurred many times on the Earth, followed by an Ice Age. There is an Universal rule, that Information is never destroyed. It is stored by one way or another, in the Universe. E.g. if a tree is cut across , circular striations are seen on the cut surface, which give information about the conditions on Earth about 8000 years in the past. If we drill through the Ice Cap of Antarctica to the depth of 2 miles, we get information of the atmospheric conditions on Earth up to the 2,50,000 years in the past. From the sediments on the floor of Oceans, we can obtain information about the conditions on Earth at about 3 million years in the past. According to the information gathered from the above sources, we can deduce that, Ice Age occurred on Earth for five times until now. Every Ice Age lasted for approximately 100,000,years ,followed by Global Warming. That means until now Earth experienced Global Warming for 5 times .

One of the causative factors for Global Warming is Green House Gases. They are, CO<sub>2</sub>, Methane, Nitrous Oxide, moisture in the atmosphere etc. These gasses act as a blanket around Earth making Earth hotter. Another factor is the Sunspots. They occur cyclically between 11 to 260 years. Solar flares happen near Sunspots ejecting lot of energy which causes temperature rise on Earth. Every 2100 years, Earth's axis and it's orbit around Sun changes, so that, Earth comes nearer to Sun, causing temperature rise on Earth. After 100,000 years Earth's orbit around Sun changes from circular to oblong. This brings Earth nearer to Sun for some time causing the temperature rise on Earth. Current temperature rise on Earth might have happened due to Green House Gasses.

Among the Green House Gasses, CO<sub>2</sub> is the biggest culprit. CO<sub>2</sub> is exhaled by humans, vegetation and other animals. Systematic agriculture started around 11000 years ago. Agricultural burning of fields creates lot of CO<sub>2</sub>. After Industrialization many factories were built. Smoke emitting from the chimneys after burning of coal and other fuels, use of Petrol, diesel in internal combustion engine etc. releases plenty of CO<sub>2</sub> in the atmosphere. Approximately 186 billion tons of CO<sub>2</sub> is released in the atmosphere every year, out of which humans are responsible for 6 billion tons personally. 90 billion tons are released by other animals and vegetation. Remaining 90 billions of CO<sub>2</sub> is produced by volcanoes, purification of fallen leaves etc. We can conclude by above figures, that humanity is responsible for the minor part of CO<sub>2</sub> emissions. In the atmosphere ,CO<sub>2</sub> lasts for about 10 years and is absorbed by vegetation and sea.

Methane gas is mainly generated in the stomach of animals and their droppings. Though number of wild animals is going down, domestic animals are increasing in their number, causing Methane gas emissions. Nitrous Oxide gas is produced by the proliferating Industry and is having adverse effect on the atmosphere. Even if the temperature on the Earth increases by 2 to 5 °c., consequences will be bad. There might be torrential rains with flooding at some places. On the other hand deserts might be formed at other places. Around 6000 years ago there was plenty of water at Sahara in Africa. Now Sahara is the largest desert on earth. Last Ice Age ended about 10,000 years ago. Since then Earth temperature has risen by 0.6 to 0.2 °C. Global warming will melt ice on North and South Pole, which will increase the sea

level by 300 ft. Consequently all land on Earth up to the Height of 300ft.will be immersed under water.

About 10,000 years ago continents on earth were joined by land bridges. Africa was joined to Arabia near Somalia. Arabia was joined to Asia near Iran. South East Asia was joined to Indonesia. Siberia was joined to North America across the Bering strait. Humans spread all over the world by crossing these land bridges. Now all of these land bridges are under water.

After going through the article until now, there is bound to be a question mark in the minds of the reader, about the relationship between Global Warming and Ice Age. Average temperature of the earth is about 22°C. Ocean currents are responsible for maintaining this temperature. Commonly these currents flow from North and South Poles towards equator. Air in polar regions is cold because Sunrays fall slanted on the surface. Because of the cold air adjacent to the surface of the ocean, surface temperature of sea water is also cold. Cold water being heavier, sinks to the bottom of the ocean. This phenomenon acts as a pump. As sea water always remains at the same level, warm water from equator takes place of the cold water of the polar region. Cold water of the polar region, which has sunk to the bottom of the ocean, flows towards equator to replace the warm water of the equator. Thus an ocean current is formed between equator and polar region. This action maintains the ocean temperature at moderate level at both regions. Thus an average temperature of the earth at 22°C is maintained.

If this cycle is broken, then global temperature increases, due to which, not only polar ice caps melt but the ocean surface also becomes warmer. Therefore the surface water remains lighter and does not sink at the bottom of the sea. Consequently the Pump stops working and warmer water from equatorial region does not flow towards Polar region. At the same time, as this circulatory movement of the water comes to standstill, cold water from Polar region stays where it is. Over a period of time water at the Polar region becomes colder and colder. As an effect, ice forms over the water and land. As ice reflects the Sunrays, air at the Polar region also does not get warm. As a result a vicious cycle starts and more and more region comes under the ice, initiating an Ice Age.

**First Ice Age on earth occurred 2.4 to 2.1 billion years ago. Second 710 to 640 million years ago. Third 460 to 430 million years ago. Fourth 350 to 260 million years ago. Fifth and the current Ice Age has started 40 million years ago. During current Ice Age Earth was covered by ice up to the 41°latitude in the Northern Hemisphere. New York was under the ice up to the Hight of 2000 ft. An important land mark event happened in human history during this time. Human beings migrated to Africa and South Asia, which were warmer, from Europe and North Asia which were colder.**

**As humans are intelligent and conscientious they are always conscious about the survival of their species. But for the nature every life is equal. The life has been destroyed and regenerated repeatedly on the earth and sometime or another human species also will face the same fate. Even then human strive to survive with the help of their intelligence, knowledge and technology.**

**The End**

# दक्षिण तीरी

16 April 2023

Solar water heater donation to Tribal Kids hostel in Mokhada.

Director Rtn. Madhuri Kirpekar lead the project and it was funded by Rtn. Dr. Vijayatai, Rtn. Madhuri, Rtn. Prabhune.



23 April 2023

Rotary Skill & Startup Expo

Rotary Club of Pune South organized a Skill and Start-up Expo on 22nd & 23rd April 2023 at Maharshi Karve Stree Shikshan Sanstha campus in Karvenagar, Pune.

India is now the world's most populous country with 65% of the population being below 35 years of age. This can become a demographic dividend only if the youth are equipped with necessary skills to create a bright future for themselves and prosperity for the country. Moreover, it is necessary to create a strong Start-up ecosystem so that our youth become job givers rather than just job seekers. Realizing this, our visionary Prime Minister Shri Narendra Modi has started Skill India and Start-up India programs.

To support this initiative, Rotary can play the role of a catalyst to promote this activity which is so important for the future of our country. RCPS has taken the first step towards this by organizing this event.

The Expo had 55 stalls of renowned organizations imparting training in various skills as well as of successful Start-ups.

In the amphitheater at the venue, there were talks, panel discussions and presentations on various aspects of Skilling and Start-ups. Renowned personalities like Bharat Dabholkar, Dr. Deepak Bhajekar, Mukesh Malhotra, Praful Talera, Pradeep Lokhande others inspired the students with their speeches. Panel discussions on Incubation, Starting a successful business, Branding etc, involved leading industry experts who guided the students on how to acquire necessary skills, how to start a business and make it successful etc. RCPS partnered with Laghu Udyog Bharati in this exercise.

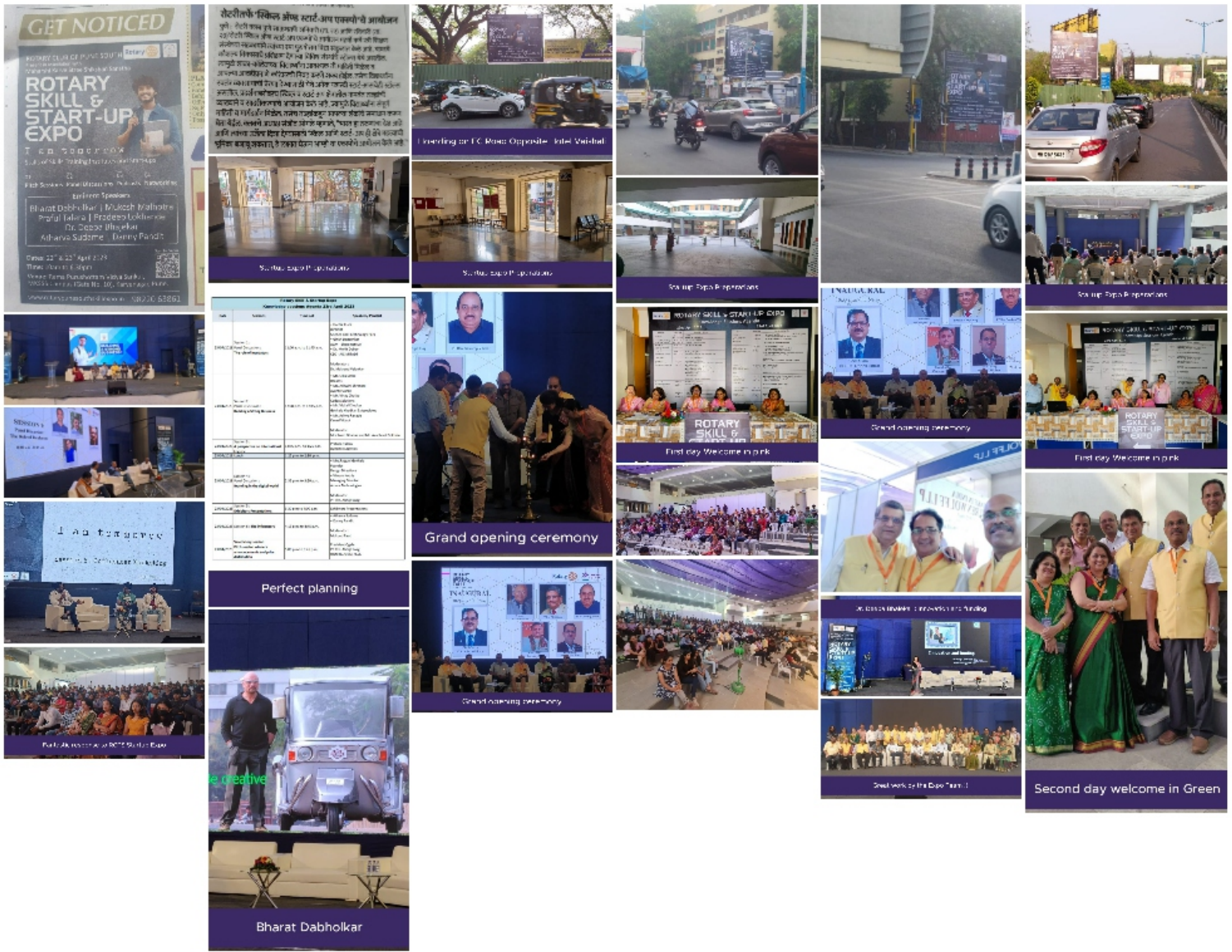
A Business Idea contest was also organized for college students, in which 50 entries were received. Out of these, 5 groups were shortlisted, who got an opportunity to present their ideas to a panel of VC Companies who regularly invest in start-ups. The best three entries were given cash prizes of Rs. 15000, 10000 & 7500.

RCPS conducted a promotion campaign through newspapers, hoardings at important locations, auto rickshaw panels, college promotions and social media, which helped in creating a positive public image and also attracted students in large numbers to the expo.

Rotary Club of Pune South plans to make this their signature project during the coming 5 years and take it to the next level.







Veterans at the Expo. It was a pleasure and insightful listening to their expertise.

<p><b>Guest Speaker</b> <b>Praful Talera</b> Perspective on International Logistic Dates: 21<sup>st</sup> April 2023 Time: 12:55 pm to 1:25 pm</p> <p><b>2023</b></p> <p>Rotary Club of Pune South In association with Maharshi Karve Street Shikshan Sanstha Venue: Rama Parashottam Vidyapeeth, MESS Campus, Karve Nagar, Pune.</p> <p>Free Entry for all</p>	<p><b>Guest Speaker</b> <b>Pradeep Lokhande</b> Changing Rural India: Opportunities for the Youth Dates: 21<sup>st</sup> April 2023 Time: 03:10 pm to 03:40 pm</p> <p><b>2023</b></p> <p>Rotary Club of Pune South In association with Maharshi Karve Street Shikshan Sanstha Venue: Rama Parashottam Vidyapeeth, MESS Campus, Karve Nagar, Pune.</p> <p>Free Entry for all</p>	<p><b>Guest Speaker</b> <b>Mukesh Malhotra</b> Challenges of the 21<sup>st</sup> century Dates: 21<sup>st</sup> April 2023 Time: 11:30 am to 12:00 pm</p> <p><b>2023</b></p> <p>Rotary Club of Pune South In association with Maharshi Karve Street Shikshan Sanstha Venue: Rama Parashottam Vidyapeeth, MESS Campus, Karve Nagar, Pune.</p> <p>Free Entry for all</p>
<p><b>Guest Speaker</b> <b>Bharat Dabholkar</b> Entrepreneurship and Branding Dates: 22<sup>nd</sup> April 2023 Time: 12:05 pm to 12:35 pm</p> <p><b>2023</b></p> <p>Rotary Club of Pune South In association with Maharshi Karve Street Shikshan Sanstha Venue: Rama Parashottam Vidyapeeth, MESS Campus, Karve Nagar, Pune.</p> <p>Free Entry for all</p>	<p><b>Guest Speaker</b> <b>Dr. Deepa Bhajekar</b> Innovation and Funding Dates: 22<sup>nd</sup> April 2023 Time: 12:45 pm to 01:15 pm</p> <p><b>2023</b></p> <p>Rotary Club of Pune South In association with Maharshi Karve Street Shikshan Sanstha Venue: Rama Parashottam Vidyapeeth, MESS Campus, Karve Nagar, Pune.</p> <p>Free Entry for all</p>	<p><b>Guest Speakers</b> <b>Atharva Sudame</b> <b>Danny Pandit</b> Influencer Marketing Dates: 23<sup>rd</sup> April 2023 Time: 4:15 pm to 4:45 pm</p> <p><b>2023</b></p> <p>Rotary Club of Pune South In association with Maharshi Karve Street Shikshan Sanstha Venue: Rama Parashottam Vidyapeeth, MESS Campus, Karve Nagar, Pune.</p> <p>Free Entry for all</p>

**Dear President Sanjeev ji and friends,**

**Skill & Start-up Expo is an amazing project of RC Pune South. The venue is excellent, the participants are very apt and the participation of Rotarians, Anns, Rotaractors is superb. Hats off to those who conceived and executed such a dream project. I was quite impressed by the layout and the products displayed, while visiting the stalls.**

**The mega project of this scale is done by RCPS, probably after a long gap of a decade or so. It is an unique project which will give RCPS a status of trendsetter in future. Such projects give opportunity to rotarians and the spouses to come together, work together, leading to the better friendship and the best assimilation. The participation of anns was always a matter of pride to us. You, President Sanjeev ji and Snehatai, are always seen leading from the front. The members work hand-in-gloves with the leaders for their love and affection, only when they are seen working with them shoulder to shoulder. This phenomenon was conspicuous in this project.**

**The efforts, put in by Sandeep, Abhijit, Milind, Raghavendra, Subhash, Ravindra, Nandinee, Yamini, Anjali and all the team members who actively participated, were seen everywhere. The icing on the cake was the informative and motivating speeches by the eminent speakers.**

**This project should feature as our flagship project every year. I am sure, if informed to PM through proper channel, it will get a place in his "मन की बात". I congratulate all those, who worked whole heartedly and tirelessly for this project.**

**Kindly excuse me, if I have missed out any name due to my ignorance.**

**Regards,**

**Rtn. PDG Arun Kudale**

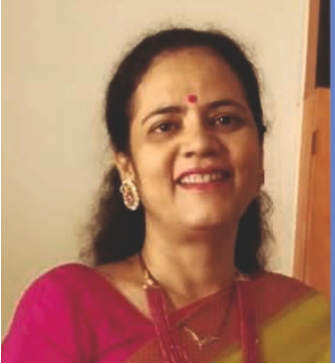
# साप्ताहिक सभा

10 April 2023

Gappangan- Mexicayan - A tale of Mexico trip.

Experience shared by Rtn. Vinayak Joshi & Ann Rekha Joshi





“धडकन”CPR तंत्राविषयी जाणून घेऊया  
वक्ते - डॉ. जगदीश हिरेमठ व त्यांची टीम

२४ एप्रिल २०२३

रो. डॉ. संगिता देशपांडे

We all know the significance of the proper functioning of our heart and also what happens when the heart arrests suddenly. But do we know how we could save those who go into sudden cardiac arrest or heart attack around us? This can be done by learning and implementing CPR Cardio Pulmonary Resuscitation. The weekly meeting on 24/4/23 was all about learning CPR. And to guide us we had with us eminent Interventional Cardiologist Dr. Chandrakant .Chavan. Dr Chavan is a consultant at Ruby hall, Poona hosp and Bharti Hosp. he along with his assistant not only elaborated on the theory of CPR but also taught us practically on a dummy.

**steps of CPR:**

when a victim of sudden cardiac arrest collapses,check breathing and neck pulse immediately.thump the chest on both sides for response.Next begin CPR. kneel next to the patient upright .place hand on hand.keep it on the left side of the midline along the imaginary line joining nipples.Use part of the palm near the wrist.keep back stiff and chest of the victim should compress a good 2 inches.compression should be a 100 per minute..simultaneously ask someone to call cardiac ambulance by dialing 108 informing them to bring AED machine.continue the CPR till ambulance arrives.  
Demo about AED machine helped us learn about the same.

So now that we all are equipped with training in CPR ,am sure we will be able to extend a helping hand when we witness a cardiac emergency.As a Rotarian we believe in helping whosoever in whatsoever need. Stay Fit..Stay Happy.





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- B) Neonatal Ventilator in 2004
- C) HFOV in 2006
- D) Human Milk Pasteurizer in 2017 (Patented Product)
- E) Paediatric and Adult Ventilator in 2020
- F) Neonatal Ventilator with inbuilt HFOV in 2020
- G) BilicareFocus Phototherapy in 2021 (Patent Pending)



**KIMIE**  
Human Milk Pasteurizer



**NEONATAL VENTILATOR**  
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**ADULT VENTILATOR**  
Model: Shreeyash 900



**JEEVAK**  
Servo Open Care Incubator



Rotarian  
P P Sudhir Waghmare

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मागील अंक वाचा