

IMCZ NEWS

MARCH 2014

EDITORIAL

Reaching Out to Members

My, my it is March already. The year has begun. The AGM is over. The new board is functioning well. Carnival will be over when you read this and your annual invoice and the IMCZ Membership Directory will have been delivered to your post box.

It goes without saying that you should pay your membership fee quickly so that we can, as we have been doing for the past few years, make sure we give the money back to club members in the form of subsidised events. The AGM was one if you missed it. The Spring New Member's Reception will be next – don't miss it.

More importantly the membership directory lists all current active members. This is the club and this gives you an insight into who is at the club their nationalities and hobbies. It is fascinating to see that we have members from 29 different nationalities. We have a wide variety of interests and I was interested to note a small group of members listing clay pigeon shooting as a hobby – maybe one of those would like to organise an event sometime soon? I'd certainly like to give it a try!

The membership Directory is also a tool as is the website www.imcz.com for each of us to reach out to other members. I encourage you to use both actively to get in touch with other members. Putting the membership directory was a lot of work so thank you to Muthana and Adrian who helped me in putting it together and thank you to all the advertisers for helping make it financially viable.

I look forward to connecting with you either through the directory, at the weekly Stammtisch event or at any one of the other events coming up soon!

Andy Habermacher, President, IMCZ

FUTURE EVENTS

- SUNDAY MARCH 9, **ExpatExpo**, Lorzensaal, 6330 Cham
Free Admission 11:00 - 17:00 hours. The IMCZ has a stand next to the stand of the ZIWC. events@imcz.com
- WEDNESDAY MARCH 19, **Bowling at the White Line Bowling Centre**, Meierskappel [Stephen Butterworth](http://StephenButterworth.com)
- THURSDAY APRIL 3, **"A photographer's view of artists at work"**
presentation by [Roger Harrison](http://RogerHarrison.com), 18:30 Park Hotel
- THURSDAY APRIL 10, **ZIWC & IMCZ joint Stammtisch** at ParkHotel, Zug events@imcz.com
- WEDNESDAY APRIL 16, **Bowling at the White Line Bowling Centre**, Meierskappel [Stephen Butterworth](http://StephenButterworth.com)
- THURSDAY MAY 8, **"My Coffee Story"** as told by IMCZ member [Ragnar Wetterblad](http://RagnarWetterblad.com) ragnar@wetterblad.com
- WEDNESDAY MAY 21, **Bowling at the White Line Bowling Centre**, Meierskappel [Stephen Butterworth](http://StephenButterworth.com)
- WEDNESDAY JUNE 11, **ZIWC & IMCZ joint Stammtisch** at Park Hotel, Zug 18:30-20:30, events@imcz.com
- WEDNESDAY JUNE 18, **Bowling at the White Line Bowling Centre**, Meierskappel [Stephen Butterworth](http://StephenButterworth.com)
- WEDNESDAY JULY 16, **Bowling at the White Line Bowling Centre**, Meierskappel [Stephen Butterworth](http://StephenButterworth.com)
- WEDNESDAY AUGUST 20, **Bowling at the White Line Bowling Centre**, Meierskappel [Stephen Butterworth](http://StephenButterworth.com)
- SUNDAY AUGUST 24, **Annual Barbecue** Siehbachsaal, Chamerstr. 24 in Zug
- MONDAY SEPTEMBER 8, **Visit to the Pilatus Aircraft Works** in Stans 14:00-17:00. More details to follow.
- THURSDAY SEPTEMBER 18, **ZIWC & IMCZ joint Stammtisch** at ParkHotel, Zug events@imcz.com
- WEDNESDAY NOVEMBER 12, **ZIWC & IMCZ joint Stammtisch** at Park Hotel, Zug 18:30-20:30, events@imcz.com

IMCZ

Introducing...new members

THE IMCZ WELCOMES:

Christian Plaschy

Christian is Swiss, grew up in the Canton of Zurich, and moved to Zug at the beginning of 2011. His parents, however, are from the Canton of Wallis, so he also knows and speaks the local dialect of that Canton. He worked 8½ years for a fiduciary company, then he worked for more than 3 years for a trust company and did two shorter jobs as a fiduciary mandated leader. After a successful start with his own clients in the spring 2012 he founded the Plaschy Treuhand Beratungen GmbH at the end of May 2012. Currently he is focussing on company establishment consulting and supply chain services (he has a big mandate in the inventory department of an American pharmaceutical company). His vision is also to get some coaching mandates one day. In his spare time he likes to go to the Vita Parcours, reading, and cinema. In the past he used to play a lot of music (electric guitar, clarinet, and other instruments).



Kjetil Sandermoen

Kjetil hails from Norway; he studied economics at the University of Karlstad in Sweden and worked at the Norwegian Ministry of Finance and later worked in publishing, with NGO's (Non Government Organisations), IT (Information Technology), then founded his own business. He is the founder and principle owner of the University of Fredericton in Canadian, a degree-granting online university in New Brunswick. It incorporates the Sandermoen School of Business, an institute providing graduate programs for MSc, MBA and EMBA (Executive Master of Business Administration) in global leadership. Kjetil has two kids, his hobbies include family, fishing, reading, skiing and travel.



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YOUR NEWSLETTER GOES PUBLIC

The board had decided to make the current Newsletter available to everyone.

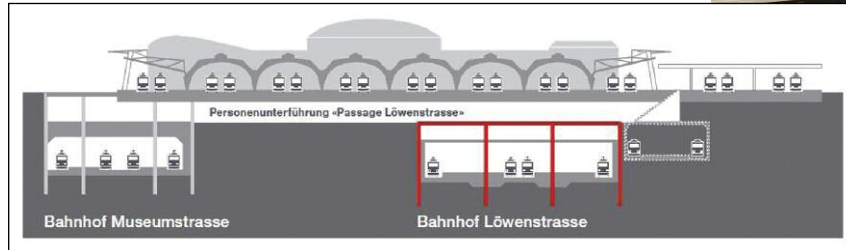
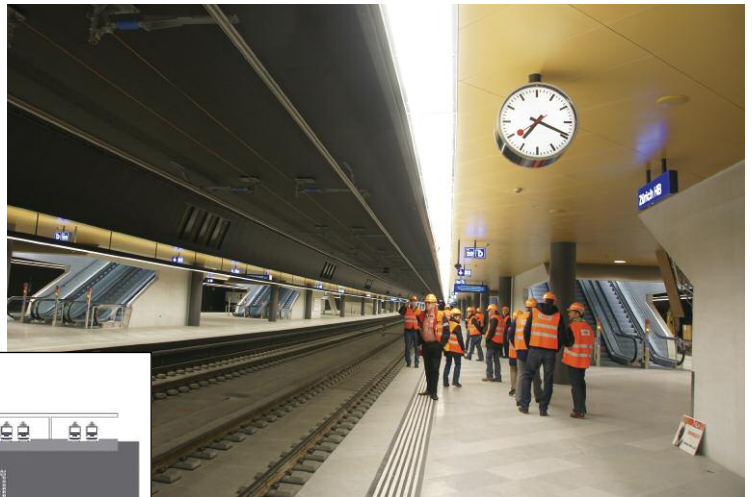
Visitors to our site imcz.com can read the current Newsletter under About Us -> Current Newsletter



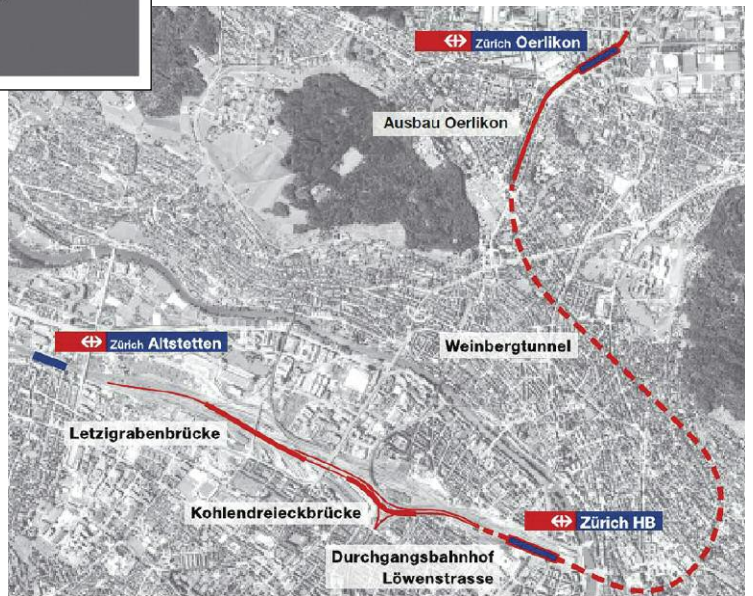


Durchmesserlinie

On Monday, February 24, seven members of the IMCZ met at the Zug railway station for an excursion to Zurich to visit the project of the new "Durchmesser Linie" or "Diameter line" of the SBB. Thanks to board member Roger Brooks who had organised this highly interesting event. We were met at the visitors' centre by one of the project engineers who took the trouble to explain, with the aid of photos and graphs over the best part of a whole hour, the extent of the project which is considered to be one of the largest civil engineering projects to be undertaken in Switzerland.



With the trains coming in and out of the Zurich main station at the rate of one a minute and the total number of daily passengers in excess of 400'000, the capacity of the existing infrastructure has reached its upper limit. The expected number of daily passenger is estimated to exceed half a million by the year 2020. The Durchmesserlinie or the diameter line shall help resolve this bottleneck. The planned date for the initial inauguration is June 15, 2015. The heart of this project is a second subterranean railway station, called Löwenstrasse. In the westerly direction the diameter line will lead over two single lane viaducts with a length of 1.7 km, currently being built, to Altstetten, while in the easterly direction the "Weinbergtunnel" with a length of 9.6 km will connect the Hauptbahnhof with the station in Oerlikon. The second stage (viaducts) will be completed by December 2015 and the whole project in 2016.



Technically the diameter line posed a number of challenges. It passes under two rivers, Sihl and Limmat, and under the present tunnel to Stadelhofen. The new railway station Löwenstrasse sits in a large stream of ground water. During construction the level of this subsoil water had to be lowered and for four years some 18,000 liters of ground water were pumped out every minute. The station sits in a watertight tub and three subterranean channels through the structure allow the groundwater stream to flow freely.

After watching a short film describing the various construction phases, we donned safety vests and helmets and were led on a tour of the new station and passages which shall hold numerous shops and restaurants. The comprehensive safety features were explained to us and we saw two giant ventilators, with a capacity of 200 m3/sec each, which would remove the smoke in case of fire. The new station, built with light colour granite and massive, solid steel, pillars and sophisticated lighting looked just great.

For those who were not able to come to this tour but are also interested, the visitor's centre at the railway station is open to the public and shows the project with pictures and models.

Jack Sami



IMCZ BOARD MEMBERS Board Member bios are posted under the following link: http://www.imcz.com/Board.asp . Go ahead and check them out!	PRESIDENT Andy Habermacher 078 815 8837 President@IMCZ.com	VICE PRESIDENT NEWSLETTER EDITOR Muthana Kubba 079 340 2592 Newsletter@IMCZ.com	SECRETARY Adrian Luedi 079 871 7136 Secretary@IMCZ.com	TREASURER Max Leyherr 076 272 3822 Treasurer@IMCZ.com
	STAMMTISCH AND MEMBERSHIP COORDINATOR Amit Purohit 078 620 0242 Stammtisch@IMCZ.com Membership@imcz.com	EVENT COORDINATOR Danilo Bertocchi 079 202 4603 Events@IMCZ.com	WEBMASTER Roger Brooks 079 583 9935 webmaster@imcz.com	



Granting the “Prosperity Awards 2013”

The Prosperity Award 2013 was granted to the Swiss adventurer Bertrand Piccard by IMCZ member Ermano Bassi and Lily Bassi of Embassy AG, Zug

Traditionally the “Prosperity Award” has been granted annually to a prominent citizen for his or her exceptional service and contribution to society. The coveted “Prosperity Award 2013” was granted by IMCZ member Ermano Bassi owner of EMBASSY AG Company in Zug to the famous scientist and adventurer **Bertrand Piccard** famous for his innovation for realising the **Solar Impulse** project which involved a flight around the planet using solar power solely.




REMEMBER
The **Stammtisch** every
Thursday evening **18:00-20:00**

Join us in the Park Hotel in Zug.

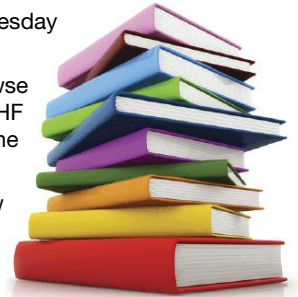
ZIWC Spring Book Sale

The success of last October's book sale, had prompted the ZIWC to organise an additional spring book sale. It shall be held at the same location:

“Guthirt”, Guthirtstr. 1, 6300 Zug on Wednesday April 9, 2014 from 18:00 to 19:00 hours

Come along and enjoy a snack and a drink and browse through thousands of books being given away at CHF 2,00 each. Plenty of parking spaces at Metalli or the surroundings.

If your shelves are full and you have no room for new books, empty them and give all the books you have already read to the ZIWC. Contact Rikke de Romijn at 079 754 20 29 or rikke.de.romijn@datazug.ch



Give and Take

In a crowded Park I venue at the Park Hotel, on Thursday March 6, a crowd of IMCZ members gathered to listen to Alan Hodgkinson and René Welti discussing the Giving and the Taking going on in the World. The two club members had discovered that they had visited the same school in California as boys albeit at different times. Both were taught mostly by the same teachers, so they had a lot in common in their outlook and understanding of human relations. Giving is good, but should not be allowed to degenerate where the giver becomes a doormat. Taking was both good and bad depending on how and where. One gives in order to take, but taking for the sake of taking is not good. These ideas were well explained in a book which Alan highly recommended and a copy was circulated.

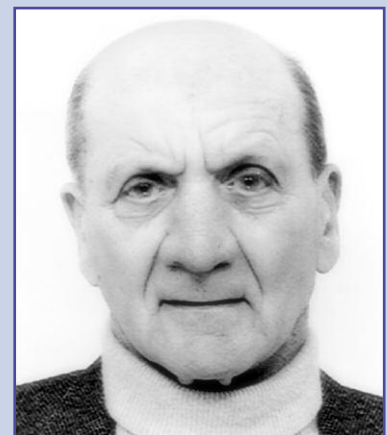


In the second part of the evening, members were invited to speak out and voice their wishes to give or to take. Several members took part, mostly with requests to 'take', looking for volunteers to join a chore desperately short of men, others were on the lookout for job suitable for their respective skills. There was one notable exception when one member tried to 'give' his recipe for success by explained how to win and keep customers by developing personal relations with them.

All in all it was a thoroughly enjoyable evening thanks to Alan and René.

Obituary

The Club very much regrets to announce that IMCZ Honorary Member Gwyn Bevan had passed away on December 18, 2013. Gwyn joined the Club in the mid eighties and was a board member in 1987 and 1988, then became the Club's secretary for seven consecutive years from 1989 till 1995. During last two decades or so, he spent living in Wales. We extend the condolences of the board as well as all the members to his family and loved ones.



Vitamin reference values reflect minimum needs

Contributed by IMCZ member Remo P. Jutzeler van Wijlen, Head R&D Sponser Sports Food Ing. Appl Food Sciences, MAS Nutrition & Health ETHZ

In nutrition, exact quantities do not mean much; one has to think in ranges and over the long term. Nutrition is far more complex than pharmacological chemistry. That's because the isolated testing of single substances existing in food is less meaningful than that of medicines, due to the concomitant food matrix and the potential of multiple interactions. Such interactions can involve improved absorption of a vitamin in presence of a specific food substance – or exactly the opposite! In contrast, an isolated vitamin supplement is much easier to test for bioavailability and effect, without potential confounding factors.

I already outlined some examples in my last column, but now I want to focus on dosage. Most probably everybody has already noticed the indicated percentage of the recommended daily allowance (RDA) of vitamins on enriched food products or supplements (for an example, see the inset, "Supplement Facts"). Those RDAs, in this case called "Daily Value", are set from a regulatory point of view and intentionally kept rather low for several reasons.

First of all, the (regulatory) RDAs have to reflect the average needs of both genders and all age groups, including children. In consequence, it is necessary to apply conservative recommendations to prevent overdosage. Obviously, higher "physiological RDAs" may apply (see Table 1), which can vary quite remarkably between groups.

Secondly, RDAs are based on the daily amount needed in order to prevent vitamin deficiency diseases, i.e. the necessary minimum quantities over the long term. Such minimum dosages ensure that nobody will e.g. lose his teeth due to scurvy, a vitamin C deficiency disease. On the other hand, only a significantly higher dosage of vitamin C would provide an improved protection against common cold or some chronic degenerative diseases.

Thirdly, the fat-soluble vitamins A and D accumulate in our lipid tissues; surplus intake is not as easily excreted as is the case with water-soluble vitamins. Therefore rather strict maximum dosage regulations apply for these two vitamins,

whereas for all the others, a 300% of RDA overdosage is authorised in order to compensate for losses during the shelf life of a food.

Considering the possible interactions mentioned above, which depend on food matrix and subsequent vitamin losses due to non-absorption, it becomes obvious that "counting" vitamin intake and aiming for a 100% RDA supply is complete nonsense. Besides the conservative setting of RDAs there are too many factors influencing bioavailability and individual needs such as age, gender, weight, lifestyle, activity, biological individuality, and food matrix. You can be sure that a vitamin intake of several factors beyond 100% RDA is still safe.

In other words, 100% RDA of a vitamin reflects not the maximum daily dose you should consume – in fact just the opposite; over the long term it is the minimum amount you need to prevent deficiencies! Of course this does not mean that you need the corresponding dose every single day, but on average, no matter whether coming from natural sources or supplements. In any case, it is always a good idea to follow a balanced and varied diet.

Supplement Facts

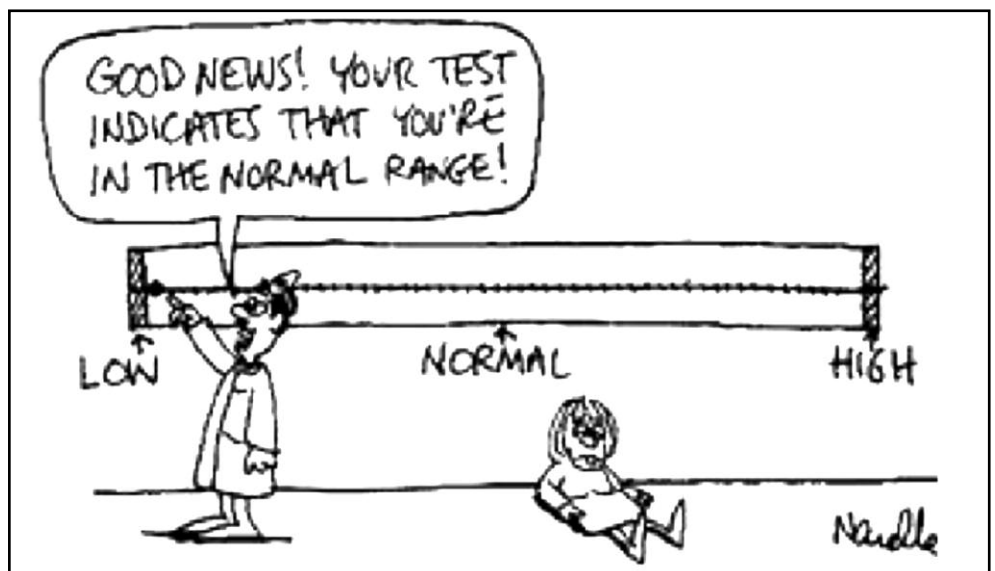
Serving Size 1 tablespoon (6.5 grams)		
	Amount per Serving	% Daily Value*
Vitamin A (as vitamin A palmitate)	5000 IU	100%
Vitamin C (as ascorbic acid)	60 mg	100%
Calcium (as tricalcium phosphate)	1000 mg	100%
Iron (as ferrous fumarate)	18 mg	100%
Vitamin D ₃ (cholecalciferol)	400 IU	100%
Vitamin E (as dl-alpha tocopherol acetate)	30 IU	100%
Thiamin (as thiamin hydrochloride)	1.5 mg	100%
Riboflavin	1.7 mg	100%
Niacin	20 mg	100%
Vitamin B ₆ (as pyridoxine hydrochloride)	2.0 mg	100%
Folate (as folic acid)	400 mcg	100%
Vitamin B ₁₂ (as cyanocobalamin)	6 mcg	100%
Biotin	300 mcg	100%
Pantothenic Acid (as calcium pantothenate)	10 mg	100%
Phosphorous (as tricalcium phosphate)	450 mg	45%
Iodine (as potassium iodide)	150 mcg	100%
Magnesium (as magnesium oxide)	400 mg	100%
Zinc (as zinc oxide)	15 mg	100%
Copper (as copper gluconate)	2.0 mg	100%

* Percent Daily Value based on a 2,000 calorie diet.

Other ingredients: Maltodextrin.

Table 1. Dietary References Intakes for Vitamin C²

Age group	RDA (mg)	UL (mg)
0–0.5 year	40	Not determined
0.5–1 year	50	Not determined
1–3 years	15	400
4–8 years	25	650
9–13 years	45	1200
Female 14–18 years	65	1800
Female 19–70 years	75	2000
Male 14–18 years	75	1800
Male 19–70 years	90	2000
Pregnant	85	2000
Lactating	120	2000



Where does one find the top super computer in the world?

Contributed by IMCZ honorary member and Newsletter Editor Muthana Kubba

There is a lot more to a super computer than extremely fast operating frequency and vast random access memory (RAM). The ultimate limiting factor for the speed and density of the components for such a computer is the heat generated and total energy efficiency. In ranking supercomputers, there are actually two criteria for evaluations. One is performance (Flips per second) and the other is energy efficiency. On both counts the computer of the Swiss National Computing Centre in Lugano, scores high points in both criteria. It was given the name of the in Graubünden 2968 metres high mountain 'Piz Daint', and ranks 6th on the world scale for supercomputers for performance and 4th for energy efficiency.

A hall of 2000 square metres without any pillars houses the hardware. The absence of pillars and columns enables a 'butterfly' construction in order to keep the data close to the multicore processors. Water cooling is used to keep the temperatures of the processors down. The cooling water is sucked from the lake of Lugano at 48 metres depth, and is returned to the lake 10 kilometres away from the suction point.

Super computers have to crunch huge amounts of data, very fast. To this end a 'butterfly' layout using multicore processors ensuring efficient interconnections for minimum distances is essential. Due to the very high density of electronic switching circuits, energy efficiency is of highest priority. To give an idea, the power consumption of a typical supercomputer is 4 MW, i.e. 4000 kilo Watts most, if not all, of which is converted into heat and has to be removed and taken away. Piz Daint performs 3.2 Gigaflops (3.2 billion operations) per watt, making it fourth in the Green 500 ranking of the most energy-efficient supercomputers. Its total power consumption is 2.33 MW, one of the lowest in its league.

The applications that run on it range from parsing huge data sets to simulate projects in geophysics, materials science, chemistry and especially climate modelling.

The computer is intensely used by by CERN in Geneva and the Paul Scherer Institute in addition to the four higher institutes of learning: ETH Zurich,, University of Zurich, University of Basel and the EPFL in Lausanne. (Ecole Polytechnique Fédéral de Lausanne).

Further reading:
http://en.wikipedia.org/wiki/Swiss_National_Supercomputing_Centre



The Top ten supercomputers in the world

1. **Tianhe-2 (MilkyWay-2)** - TH-IVB-FEP Cluster, Intel Xeon E5-2692 12C 2.200GHz, TH Express-2, Intel Xeon Phi 31S1P • NUDT
2. **Titan** - Cray XK7, Opteron 6274 16C 2.200GHz, Cray Gemini interconnect, NVIDIA K20x • Cray Inc.
3. **Sequoia** - BlueGene/Q, Power BQC 16C 1.60 GHz, Custom • IBM
4. **K computer**, SPARC64 VIIIfx 2.0GHz, Tofu interconnect • Fujitsu
5. **Mira** - BlueGene/Q, Power BQC 16C 1.60GHz, Custom • IBM
6. **Piz Daint - Cray XC30**, Xeon E5-2670 8C 2.600GHz, Aries interconnect, NVIDIA K20x Cray Inc.
7. **Stampede** - PowerEdge C8220, Xeon E5-2680 8C 2.700GHz, Infiniband FDR, Intel Xeon Phi SE10P • Dell
8. **JUQUEEN** - BlueGene/Q, Power BQC 16C 1.600GHz, Custom Interconnect • IBM
9. **Vulcan** - BlueGene/Q, Power BQC 16C 1.600GHz, Custom Interconnect • IBM
10. **SuperMUC** - iDataPlex DX360M4, Xeon E5-2680 8C 2.70GHz, Infiniband FDR • IBM

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 Join us in the Park Hotel in Zug.





Cruising Cape Horn, Part 1

Contributed by IMCZ board member and Webmaster Roger Brooks with photos courtesy of ZIWC member Margareta Pfander

A scant four months after our last adventure finds us plying the seas again. We resolved to tackle the more distant destinations on our wish list while we still enjoy good health, and so decided on a cruise from Valparaiso, Chile to Buenos Aires, Argentina passing around the southern end of South America. The first phase of our expedition brought us from the congenial canton of Zug to sunny Santiago, Chile, in slightly under 18 hours door to door. The long travel time was partly due to our wish to allow enough time between flights in Paris to ensure that both we and our luggage made the connection.



Santiago (Friday & Saturday)

We opted to spend a couple of days in Santiago before boarding our ship in Valparaiso, both to see this city and also as insurance in the event of any disruption of our travel plans. Santiago is home to about 5 million, roughly a third of Chile's population, and the fifth largest city in South America. Although I had arranged our pick-up with a

Chilean travel agent who is fluent in English, we were greeted at the airport by a driver who knew nothing but Spanish. Nonetheless, he had been well instructed, and a little sign language and my pidgin Spanish were sufficient for essential communication. Our driver delivered us promptly to our hotel, where we were warmly received and greeted by the aforementioned Chilean travel agent. The hotel was not in Santiago proper, but in a suburb named Providencia. Providencia was formerly a separate town, long since engulfed by Santiago's growth. The town was founded in the 19th century by a Catholic order, the Sisters of Providence, hence the name. The Sisters had come from Canada, originally intending to establish a mission in Oregon. When flooding at their intended destination made this impossible, they proceeded to Chile, where they were well received by the governor, who asked them to stay and found their mission there.

More recently, Providencia has developed into a new business hub on the outskirts of Santiago. The construction of new office and apartment buildings provides such a playground for architects, that it is almost reminiscent of Dubai. The locals refer to the most developed section, the Costa Nera, as "Sanhattan", a hybrid of "Santiago" and "Manhattan". We briefly visited this area on foot, admiring the architecture.

Particularly remarkable were the "Titanium" office building and the Costa Nera shopping center, which occupies the lower 5 levels of a 300 meter tall commercial structure, and is said to be the largest in South America! We also used the clean, efficient and inexpensive Santiago metro system to visit the downtown

area and older parts of the city, including the Torre Mirador at the old Fort Bateria Hidalgo atop the Cerro Santa Lucia, the Bellas Artes neighborhood (surrounding the museum of the same name), the Mercado Central and the pedestrian mall along the Paseo Ahumada.

On the following day we used the hop-on, hop-off bus service to explore the city in more detail. We rode the funicular up the



Ecology Fair at the Moneda Palace, Santiago

Cerro San Cristobal in the extensive Parque Metropolitano to get a closer look at the statue of the Virgin Mary, which was given to Santiago by the French and commands an impressive view of the city. We also visited the Moneda Palace, which was the home of Chilean presidents until 1958 and also the site of Salvador Allende's suicide on 11 September, 1973, when he recognized that his capture at the hands of General Augusto Pinochet was imminent and inevitable.

Valparaiso, Chile (Sunday)

On Sunday, we were due to board our cruise ship in Santiago. We took advantage of the opportunity to do a little sightseeing on the way, in the care of a driver and English-speaking guide provided by our friendly Chilean travel agent. We shared the trip with an Israeli couple who were staying at the same hotel and embarking on the same cruise. They quickly became good friends and companions for the rest of the trip. We passed through the hills offering expansive views of the Casablanca valley, one of the most fertile in Chile. It is famous for production of vegetables and fruits, including wine grapes. In particular, the white wines from this region have won many awards.

We stopped briefly along the way at the Emiliana organic winery, which was beautifully appointed with flowered paths and gardens and overflowing with tourists enjoying wine tasting and guided tours. As



"Sanhattan"

we were on a tight schedule, we contented ourselves with buying a couple of bottles to take with us on board. We then took a slight detour through the town of Viña del Mar, a suburb of Valparaiso in the middle of the arena in which both Viña del Mar and the city of Valparaiso reside. Valparaiso means literally "valley of paradise", and is used to describe the entire arena, as well as the city itself. In the city of Valparaiso, we managed to enjoy several sights on the way to the port. One was the house of Pablo Neruda, the famous Chilean poet, who was honored in the film "Il Postino".

Another was the Fonck Museum, which proudly displays a Moa, one of the famous stone sculptures of heads, which was brought to the mainland from Easter Island. Easter Island, although 4000 kilometers away, belongs to Chile. Our guide explained that this was simply because Easter Island had nothing of value to interest the colonial powers, such as France, England and Holland, who had laid claim to other islands in the South Pacific.



Celebrity Infinity docked in Valparaiso



Moa in front of the Fonck Museum, Valparaiso

Our last stop before boarding our ship was an artisanal market on the southern flank of the slope overlooking the harbor of Valparaiso. In addition to the spectacular view of the harbor, we also found a heart pendant of lapis lazuli, a birthday present for a 6 year old girl Margareta is mentoring.

Celebrity Infinity (Monday, at sea)

The ship we chose for this voyage accommodates 10 times as many passengers as our previous ship, the Royal Clipper. It is rated at 91000 tons, is about 300 meters long and 30 meters wide, draws about 9

meters, has 12 decks above the waterline and accommodates 2170 passengers and nearly 1000 crew.

The check-in was fast and efficient: all passengers were on board a good hour ahead of schedule, permitting us to conduct the required emergency drill already at 16:15. The following day at sea provided a good opportunity to explore the ship, and on later sea days, we were even invited to visit the engine control room and the bridge. The Infinity is powered by 2 gas turbines and one diesel engine. These generate electricity for

the ship's many technical systems, as well as to drive the electric motors in the "azipods", which actually turn the ship's 6 meter diameter screws. The electric drive is very efficient, and also allows the pods to be rotated a full 360 degrees, which facilitates maneuvering in tight places. It also reduces the number of side thrusters needed for maneuvering, as only bow thrusters are needed. There are three of these totaling 9,000 horsepower. However, this is only a fraction of the 65,000 horsepower provided by the pods. The result is that the ship can only maintain position in winds up to 30 knots. Above that threshold, the captain must request tugboats to assist. The fuel burning engines are very clean, as they use only gas and light diesel, comparable to truck fuel or heating oil, instead of the heavy bunker oil burned by most cruise ships. This permits the Infinity to also cruise to Antarctica, where tighter environmental regulations prevail. It is one of the largest vessels which can do this, and makes two cruises to the Falkland (or Malvinas) islands and Antarctica immediately following this cruise.

Next Month

More about our ports of call and the remaining voyage.

ZERMATT REVISITED

Insider Tips for Experiencing Switzerland's Ultimate Ski Resort under the Matterhorn

Contributed by IMCZ sports' editor Joseph Dow



Back in 1994, my first visit to Europe was a skiing trip to Zermatt. It was an experience that left a big impression, and I ended up moving to Switzerland years later. Zermatt is not just any ski area. It is arguably the best ski area not only in Europe but maybe the entire world.

Since that first trip, I have made the pilgrimage to Zermatt many times, and it always amazes. The scenery is unparalleled, represented by the unique Matterhorn (4'478m), the symbol of Switzerland, and other fantastic mountain peaks such as the beautiful Weisshorn (4'505m), the pointy Zinalrothorn (4'221m), the broad Breithorn (4'164m), the twins Castor (4'228m) and Pollux (4'092m), and Monte Rosa (4'634m), the highest mountain in Switzerland.

The ski area is vast with great high-altitude conditions (up to 3'899m at Gobba di Rollin for summer skiing.) The village lies at 1'620m, so some may be affected by the altitude. Despite the skiing being divided into three main sectors, it is possible to link between the different places on skis and avoid too many shuttle bus rides or walks in your ski boots.

Years ago, I wrote a review of Zermatt (*IMCZ Newsletter – February 2009*) and another about Summer Skiing in Zermatt (*IMCZ Newsletter – November 2009.*) Although you can retrieve those articles from the archives, I thought I needed to revisit the resort and give you some of my specific recommendations and tips for your visit.

The Skiing

Sectors:

- Sunnegga/Rothorn – This area is a good choice in case the weather is less than perfect. Some of the trails here are below the treeline and the runs on the Rothorn above provide some sweeping pistes.
- Gornergrat – This area lies between Sunnegga and the Matterhorn area, under the Gornergrat scenic observatory, and can also be reached by the Gornergratbahn railway (a very slow but scenic option.)
- Matterhorn Paradise/Schwarzsee – This area sits right next to the Matterhorn and links up to the Cervina area in Italy via Testa Grigia at the top of the Theodulpass.

Connections:

When in Zermatt, I like to stay behind the main street, along the river Matter Vispa, somewhere between the St. Mauritius Pfarrkirche in the center of town and the Sunnegga funicular entrance. The shuttle buses run along this road in both directions and link the funicular at Sunnegga with the cable cars up to the Matterhorn Glacier Paradise. The shuttles can become overcrowded, so I try to use them as little as possible and link the different areas on skis. If you start out at Sunnegga, you can ski down by the learner area through Findeln and take a chairlift that gives you access to the tram at Gant (or ski directly from the Rothorn to Gant,) which takes you above the Gornergrat area. After leaving Gornergrat, you can ski down the runs from Riffelberg to link up with the gondola at Furi to access the Schwarzsee area and continue

up to the Matterhorn Glacier Paradise. You can also go in the opposite direction, but I usually prefer to ski the main runs until the end of the day and take the shuttle bus one way. There is an official route roughly following this path called the Matterhorn Ski Safari.

Interesting Runs:

- Furgg to Furi – The black run #62 winds down from below Schwarzsee at Furgg all the way to Furi. This can be a wild run as it is steep, often a bit icy, and full of other skiers, of various abilities, heading back to Zermatt at the end of the day. Earlier, it is nicely uncrowded and provides an exhilarating, high-speed Schuss. Once at Furi, there are many places for a drink but beware: a few more steep curves await below!
- Reds #69 & #70 next to the Matterhorn – This is magical skiing under the Hörnli grat when there is sun and the wind is swirling the shimmering snow.
- Red #9 at Sunnegga - This run heads right towards the Weissshorn with breathtaking views before descending into the forest.
- The runs between Gornergrat and Riffelberg – These runs provide superb cruising on mild terrain.
- Summer ski on the Theodulgletscher – see my article from the November 2009 newsletter issue.

Views/ Scenery

The Matterhorn

It is the center of attention from anywhere in the valley. Different locations offer different views of the faces. The most perfect vantage point is from Sunnegga with the classic view directly on to the Hörnli grat. The view from Gornergrat is also beautiful, looking on to the east face. And, Red #51 run, *Weisse Perle*, gives you a nice look at the north face and then leads you down through the forest, passing by the isolated, tiny village of Zmutt on the way back to Furi.

Weissshorn

The Matterhorn may be the most unique-looking mountain, but I think the Weissshorn is the most beautiful. Almost a perfect triangular pyramid of white, it is best viewed from the runs of Sunnegga or the top of the Rothorn, but can also be seen nicely from the Matterhorn Glacier Paradise.

Pennine Alps

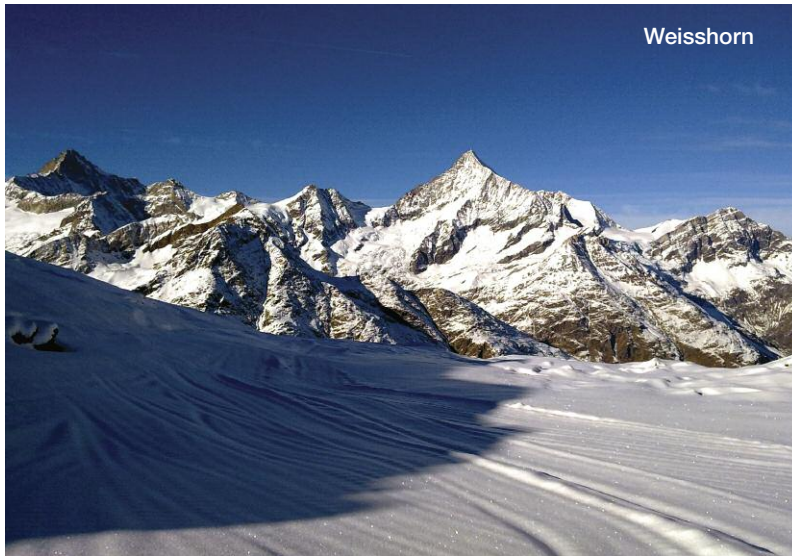
The other high mountains from the Breithorn to the Monte Rosa Massif are best viewed from the Gornergrat Observatory, which can be reached by non-skiers via the Gornergratbahn railway.

Places to Stay

There is a huge choice of accommodations in Zermatt and here are the ones at which I've stayed and prefer:

- **Hotel Allalin******: This is probably my favorite hotel at which to stay in Zermatt. The hotel features nice carved wood, comfortable rooms, and a good location, near the church. www.hotel-allalin.ch
- **Matterhornblick*****: This excellent hotel is part of the same building as the Allalin. www.matterhornblick.ch
- **Hotel Perren Superior*****: This good quality, modern hotel has a central location, next to the river Vispa. www.hotel-perren.ch
- **Hotel Welschen*****: This very nice, cozy hotel on the mountainside sits just above the Sunnegga funicular entrance. The only concern is the very steep walkway down to the street. It was almost as thrilling as the Furgg to Furi run. www.welschen-zermatt.ch
- **Parnass*****: This family hotel is clean and pleasant and sits next to the Perren. www.parnass-zermatt.ch





Weisshorn



Zmutt



View from Welschen

Food & Drink on the Mountain: Here are a few very special options on the mountain, during the ski day:

- **CERVO:** This boutique hotel is at the end of the trail from Sunnegga back down to the village. It's right across from the elevator that takes you down to the funicular valley station. This is the perfect place for some amazing homemade Glühwein and a tasty snack at the end of the day. Despite a very pleasant high-end atmosphere, the prices were surprisingly reasonable. A large order of CERVO fries with truffle oil and parmesan is pretty awesome. www.cervo.ch
- **Chez Vrony:** A gourmet restaurant way up on the mountain in the village of Findeln, just below the top of the Sunnegga funicular. They serve a "natural" cuisine, featuring their own organic products, "made from animals nourished solely on Alpine grass" with "traditional dishes, typically found locally, enriched with international influences." Very cozy, but usually extremely crowded, too. www.chezvrony.ch
- **Findlerhof:** Another gourmet restaurant in Findeln, featuring "traditional Swiss cuisine and Italian specialties with a pinch of all over the world." I happened upon it when I couldn't get into Chez Vrony and had a fantastic Rösti with a refreshing twist including pear. www.findlerhof.ch

Food & Drink in the Village: There are many fine restaurants in town, but here are some of my favorites:

- **Broken Tex Mex Grill (in the Unique Hotel Post):** The fajitas are exceptional. I believe this restaurant used to be owned by the same company that owns Spago in Zug as the menu was almost identical. However, things had changed the last time I went there with a noticeable upgrade in the quality of the meats. http://www.hotelpost.ch/broken_tex_mex_grill_153.html

- **Gee's Pop Up Bar (below GramPi's):** This attractive bar in the middle of Bahnhofstrasse has a nice selection of beers, including Edelweiss, Urtrüb, and Hürlimann. You can also have good food from GramPi's down at Gee's. www.grampis.ch
- **Vieux-Valais:** The best pizzeria in Zermatt with a brick oven. It might be the best pizza in Switzerland. www.vieuxvalais.com
- **Edward's Bar (in the Hotel Monte Rosa):** In the historic hotel where Edward Whymper had his rope party before the disastrous first ascent of the Matterhorn. The rooms are nicely detailed, cozy yet oozing history. www.monterosazermatt.ch/en/monte-rosa/fine-dining/edwards
- **The Pipe, a Surfer's Cantina:** Unfortunately, the eclectic, little fusion food hangout that had moved from location to location in the village is no more.

Good Times to Visit Zermatt: With its high-altitude location, Zermatt has good snow when others have little to none. I have experienced very nice conditions and weather early in the season with little crowds before Christmas and after the Holidays in January.

If you live in Switzerland, you really must see the Matterhorn and ski in Zermatt!

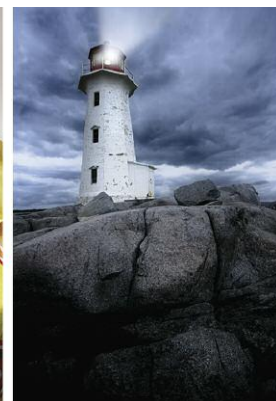
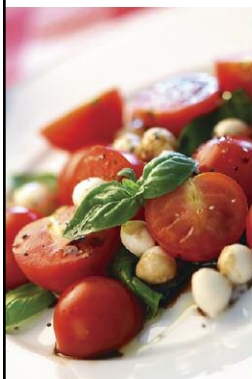
For more information:

Zermatt Tourism: www.zermatt.ch
Zermatt Bergbahnen: www.matterhornparadise.ch
Gornergrat Bahn: www.gornergrat.ch

Next Month: Diavolezza near Pontresina

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*Happy
St. Patricks
Day!*





Crowded and Noisy

Organised and compiled by IMCZ member Stephen Butterworth

This month there were 14 participants, three of them new (Derek Seibel, Amit Purohit and Ronald Livius). Derek shone with a brilliant start and 5 strikes in the first game! There were lots of shrieks of delights and groans of despair but everyone had a super time.

Of the members present, Johanna Brown for the Ladies and Otto Steuri for the men were the wine winners of the day.

Great to see more people making it more lively, noisy and fun!



First Name	Surname	Game1	Game2	Game3	Bowled total	overall_avg	handicap	STRIKES	SPARES	Split
Otto	Steuri	160	147	139	446	146	44	3	16	5
Janis	Meier	181	130	114	425	125	60	6	11	3
Derek	Seibel	181	101	136	418		90	7	9	1
Art	Seibel	125	112	142	379	149	41	5	9	4
Hans-Peter	Schobert	120	131	96	347	119	65	6	6	4
Stephen	Butterworth	107	100	134	341	116	68	3	10	3
Shearl	Seibel	114	121	105	340	105	76		9	3
Amit	Purohit	119	84	98	301		90	1	7	1
Ian	Brenton	82	111	100	293	120	64	2	5	4
Mike	Brown	106	76	106	288	97	83	3	3	1
Gail	Brenton	110	66	105	281	83	94	1	6	3
Adrian	Lüdi	94	87	97	278	115	68	1	8	1
Ronald	Livius	78	73	83	234		90	2	5	1
Joanna	Brown	83	64	63	210	45	124	1	1	2

First Name	Surname	Game1	Game2	Game3	Handicapped	overall_avg	handicap	STRIKES	SPARES	Split
Derek	Seibel	181	101	136	688		90	7	9	1
Janis	Meier	181	130	114	605	125	60	6	11	3
Joanna	Brown	83	64	63	582	45	124	1	1	2
Otto	Steuri	160	147	139	578	146	44	3	16	5
Amit	Purohit	119	84	98	571		90	1	7	1
Shearl	Seibel	114	121	105	568	105	76		9	3
Gail	Brenton	110	66	105	563	83	94	1	6	3
Stephen	Butterworth	107	100	134	545	116	68	3	10	3
Hans-Peter	Schobert	120	131	96	542	119	65	6	6	4
Mike	Brown	106	76	106	537	97	83	3	3	1
Ronald	Livius	78	73	83	504		90	2	5	1
Art	Seibel	125	112	142	502	149	41	5	9	4
Ian	Brenton	82	111	100	485	120	64	2	5	4
Adrian	Lüdi	94	87	97	482	115	68	1	8	1



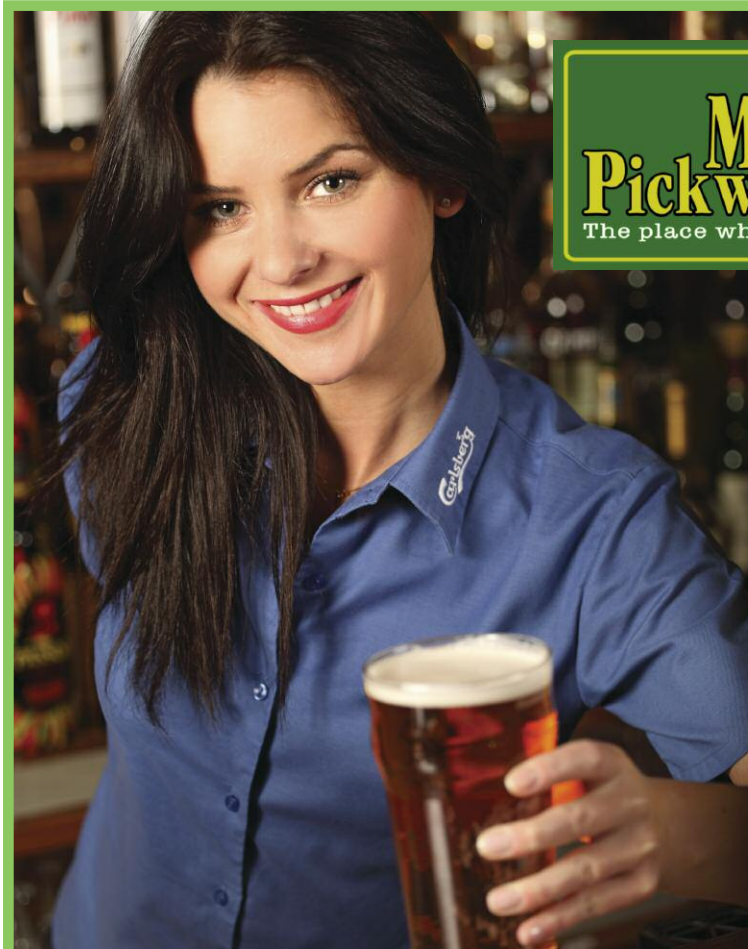
On Politics and money

- Politics is the gentle art of getting votes from the poor and campaign funds from the rich, by promising to protect each from the other.
- I offered my opponents a bargain: if they will stop telling lies about us, I will stop telling the truth about them. They agreed!
- We hang the petty thieves and appoint the great ones to public office.
- If the bank returns your check marked "Insufficient Funds," you call them and ask if they meant you or them.

Words of Wisdom

- Do not regret growing older. It is a privilege denied to many.
- Live your life and forget your age.
- A pessimist sees the difficulty in every opportunity, but an optimist sees an opportunity in every difficulty.
- I've seen better days, but I've also seen worse.
- I don't have everything that I want, but I do have all I need.
- I woke up with some aches and pains, but I woke up!
- My life may not be perfect, but I am blessed.
- Spending time with children is more important than spending money on children.

- If you are depressed you are living in the past. If you are anxious, you are living in the future, but if you are at peace, then you are living in the present.
- Take care of your thoughts when you are alone and take care of your words when you are with people.
- Education is not the learning of facts, but the training of the mind to think.
- I don't have time to worry about who doesn't like me.. I am too busy loving the people who love me.
- Once Buddha was asked, "What have you gained from meditation?" He replied, "Nothing, but I did lose anger, anxiety, depression, insecurity, fear and death".



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WWW.SELECTIONS

Contributed by IMCZ member, Ian Stansfield

All web sites included in this series are offered in an unbiased way and do not necessarily reflect my personal views or those of the IMCZ; the reason for bringing them to your attention is that I found them interesting and informative, perhaps offering an alternative point of view, but above all else definitely worthy of note.

Swiss responsible disposal of radioactive waste

National Cooperative for the Disposal of Radioactive Waste <http://www.nagra.ch/en>

Time Ride <http://www.timeride.ch/de/timeride.htm>

Zugermesse <http://www.zugermesse.ch/>

Time Ride at the Aargauermesse 26.03 - 30.03 <http://www.ama.ch/html/besucher.htm>

PDF in English about potential deep geological sites

http://www.bfe.admin.ch/radioaktiveabfalle/01277/index.html?lang=en&dossier_id=05195

At the Zugermesse, our local trade fair cum ideal homes type exhibition, last year, there was an exhibition about the Swiss plans for disposing of their nuclear waste. I have spoken with many IMCZ members but no one else seems to have noticed it. The exhibition, called Time Ride, was really impressive and gave the impression of travelling back in time and deep underground. Incredible to believe but canton Zug and Luzern were once at the bottom of a sea. At some time in the past an impermeable layer of sedimentary rock was formed, and the land rose. The idea is to embed the radioactive waste hundreds of meters underground where it will remain in safety for 200,000 years, in the impermeable layer, until it has decayed to a safe level. The important point is that the rock should be stable for the whole of the decay period and that the radioactivity should never poison the water table. This area is in the region of Jura and surrounding cantons. The Time Ride is scheduled for several events during 2014. The next is in March at the Aargauermesse, it will only be in German but is still very interesting. The last link connects you to various documents about the stages of selecting a suitable site. This makes very interesting insight into the Swiss democratic process. The documents are available in English.

Geography

Google maps <https://maps.google.ch/>

An online chart of Lake Zug - and also every other waterway in the world

<http://www.navionics.com/en/webapp>

Live piracy map <http://www.icc-ccs.org/piracy-reporting-centre/live-piracy-map>

Piracy as its happening <http://piracywatch.net>

Fine Food, sex and piracy - an 8 Page description of being a hostage the French way

<http://www.vanityfair.com/politics/features/2009/04/somali-pirates200904>

Live map of volcanoes http://www.volcanodiscovery.com/erupting_volcanoes.html

and another with web cam links <http://volcanoes.usgs.gov/>

Earthquakes and buttons to other global incidents <http://quakes.globalincidentmap.com/>

Santorini - a candidate for Atlantis - with reference to ancient texts

<http://www.decadevolcano.net/santorini/atlantis.htm>

Some of us, well most of us, in the good old days, were at school in a time pre 1995 ☺, we learned about volcanoes and piracy in a very remote way, using books and the occasional film. With the internet this subject has become so much more interesting. Most of us know about Google maps and the fact that you can drag the little man icon on a road and then follow the road viewing the houses and fields etc. The second link is to a word wide navigation chart. One can even zoom in rapidly and see the buoyage, harbours and light houses on Lake Zug. There is also a button to view ski resorts, many pistes and their grades; Stoons only shows the cable cars at the moment. Links 3 to 5 are about piracy. The 5th link is fascinating. Pirates seem to be little interested in murder and rape. The French hostages are so absorbed in Haut cuisine and sex that they hardly seem to notice the pirates. Other links portray the pirates as out of work fishermen looking for another income☺. Links 6 to 8 are about volcanoes, you can even click on links to live web cams. The last link is about Santorini and whether or not it's the lost Atlantis. There used to be a fantastic link to a free mining and manufacturing site <http://mapper.infomine.com/> - sadly this is now only by hefty subscription.

The Pirate Latitudes

When the French luxury cruise ship *Le Financier* was captured by a ragtag, hopped-up band of Somali pirates last spring, in the Gulf of Aden, it looked as if the handbills had bitten off more than they could chew. But after a week-long standoff, they got what they had come for - a \$2.5 million ransom. Describing the boarding attack, the ordeal of the ship's engineers crew, and the tense negotiations, the author examines the ruthless calculus behind a new age of piracy.

by William Langewiesche

Volcano News

Volcano info: Santorini, Deception Volcano - Hakkio volcano - Ol Doinyo Lengai - Stromboli updates

Volcano News: Volcano-Riviera.com

Photos: Volcano photos > geographic list - thematic list Santorini - Merbana - Etna - Stromboli - Iceland - La Reunion - Hawaii - Ol Doinyo Lengai - Cordoba volcano photos

Non volcano photos: Photo permits Portal

QUAKES

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TIME RIDE

Die Reise durch Raum und Zeit

TIME RIDE AMA Aarau

20. bis 24. 11. Aarau

zugermesse

25. Oktober - 2. November 2014

NEUHEITEN: Unabhängigkeit der Zug-Region 1813

HIGHLIGHTS 2014: Monthly publications in the 'Mittwoch' or 'Freitag' Zug-Region

ANNE-LINDA 2014: Die Annerosewäldchen bei der Zug-Region sind wieder das Zentrum

AMA

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Schweizerische Eidgenossenschaft

Confédération suisse

Confederaziun Svizra

Confederaziun Jodica

Department of the Environment, Space and Infrastructure

Topics: Documentation | Services | The SFOE

Radioactive waste: Search for suitable sites for deep geological repositories

The new Google Maps

NAVIONICS

Chartplotter | Mobile | WebApp

MBP Piracy & Armed Robbery Map 2014

This Piracy & Armed Robbery Map shows the addition of Piracy as last shown in Article 101 of the 1982 United Nations Convention on the Law of the Sea (UNCLOS) and Armed Robbery as last shown in Resolution A/49/59 (2004) adopted on 2 December 2004 at the 59th Assembly Session of the International Maritime Organization (IMO).

PIRACY WATCH

PIRACY AT SEA STILL EXISTS IN THE 21ST CENTURY. HOW IS THAT POSSIBLE?

Modern Piracy Near Indonesia, Malaysia, and the Strait of Malacca ...

Although pirate attacks in Somalia and other high-risk waters off the Horn of Africa get a lot of press, far waters are not foolproof. Malaysia and Singapore have long proved a home for seafaring shakedown and law crime. Because it is such a major shipping route for a variety of goods, it's an attractive area for pirates and organized crime, and the local terms and poor economy contribute to the difficulty of enforcement.

What Are the Pirates in These Areas After?



Sudoku

Solution February 2014 Puzzle

4	6	8	2	1	9	5	7	3
5	9	2	7	3	6	8	4	1
7	3	1	5	4	8	6	2	9
2	4	3	6	7	5	9	1	8
6	1	7	8	9	4	2	3	5
9	8	5	3	2	1	7	6	4
1	2	6	9	8	3	4	5	7
8	7	4	1	5	2	3	9	6
3	5	9	4	6	7	1	8	2

Although three correct answers were received to the very easy February puzzle, the editor has decided to suspend this series due to lack of interest. A pity... mental acrobatics are a good way of maintaining a healthy brain under the motto of use it or lose it.

According to the hat, the winner is Max Lustenberger. Congratulations Max, your drinks the next time you attend the Stammtisch are on the house.



REMEMBER
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A gorgeous view of the Bay of Biscay,
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- Business Card (9.2 x 6.45 cm) Fr. 45.-



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Vocal Emotions is Looking (or Listening) for a Few Good Men!

The mixed chorus **Vocal Emotions**, based in Baar, has about 50 active members (including our webmaster, Roger Brooks), but less than 20% sing bass or tenor.

If you like to sing, why not drop by for a rehearsal, to see if you would like to join! The repertoire covers a wide spectrum, including gospel, jazz and pop, and most of the lyrics are in English.

Rehearsals are conducted in Swiss German, usually on Tuesday nights from 19:45 to 21:45 at the protestant church in Baar.

There are typically a church concert in the spring and a rehearsal weekend and three public concerts in the fall, but the chorus can also be booked for private performances.

For further information, please consult the Vocal Emotions website, write to info@vocal-emotions.ch or talk to Roger.

Zug Technical & Informatics School Seeks a Docent for Energy, Ecology and Environment

The zti (a daughter of the IBZ) is looking for a docent to teach the course "Energie, Oekologie, Umwelt" (in German) in the coming summer semester.

The students are in the 7th semester of their Höhere Fachschule (HF) education to students in the 7th semester of their Höhere Fachschule (HF) education.

The course consists of 20 lessons (about 15 hours of class). For further details, please contact Roland Gall (roland.gall@ibz.ch) directly.