

Top-Ten Science Circle Podcast Takeaways

Steven R. Van Hook, PhD



Abstract: This presentation features background and audio excerpts from premier episodes of the [Science Circle Podcast](#). Recorded guests include [Phil Youngblood](#) (SL: Vic Michalak), [Stephen Gasior](#) (SL: Stephen Xootfly), [Rob Knop](#) (SL: Prospero Frobozz), [Greg Perrier](#) (SL: Dodge Threebeards), [Michael Shaw](#) (SL: Shawza Tunwarm), [Matthew Burr](#) (SL: Beragon Betts), [Robert Hendrix](#) (SL: Tagline), and [Budd Turner](#) (SL: Josain Zsun).

Their interview topics range from molecular genetics, astrophysics and entropy, education innovations, new tactics teaching chemistry, protecting your ideas with patent and copyright law, transgalactic relations, doctor's tips for a healthier life, protecting your digital legacy, and the past/present/future of The Science Circle.

Presenter Bio: Steven R. Van Hook ([SL: Kip Roffo](#)) is host/producer of *The Science Circle Podcast*. He has a doctorate specializing in transcultural education and new learning technologies, and has taught communication classes for 20 years at universities in the USA and abroad. Steven spent two decades as a broadcast journalist, radio talk-show host and educational webzine publisher, and is also experienced in international economic development and social services.

The Science Circle Podcast Top-Ten Episode Takeaways

Steven R. Van Hook, PhD
Podcast Host / Producer

[Video File](#)

[Audio File](#)

[Slide File](#)

Podcast Status



- Podcasts born in 2005 at Apple on the iPod
- In USA, 48-million listen to podcasts weekly (17%)
- In UK, 6-million listen to podcasts weekly (11%)
- Largest platforms:
 - Apple iTunes: 52%
 - Spotify: 19%
 - Google Play: 1%
- Google adding podcasts to search
- New Google Podcasts app available for Android OS

Podcasts on Cell Phones



World Bank Report:

- 6-billion mobile phones worldwide
- 5-billion in developing countries
- Used for agriculture, health, financial services, government, entrepreneurship, employment, education
- Solar-powered tablets serve energy-deprived areas



[Article](#)

THE SCIENCE CIRCLE PODCASTS



Below are links to episodes and guests on The Science Circle podcasts, and host platforms. The Science Circle is a non-profit global alliance of scientists, educators and students, based in the Netherlands. Podcast topics include natural and human sciences; produced and hosted by [Steven Van Hook](#).

[Protecting Your Digital Legacy.](#)



Retired educator and technology expert Budd Turner, and biologist/patent attorney Matthew Burr discuss ways to protect your digital postings and creations, and help your works be properly passed on.

[Doctor's Tips for Healthy Body & Mind Global Outbreak of Fatty Liver Disease](#)



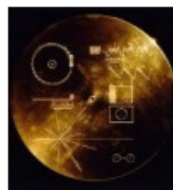
Guest: Robert Hendrix, MD
A retired surgeon and educator in medicine shares information on an epidemic of fatty liver disease, tips for better health and diet, and advice for young scientists and students on beating early life challenges and finding a rewarding life in learning and serving.

[Protecting Your Ideas with Patent Law Biology, Science, and Patent Law](#)



Guest: Matthew Burr, JD
Biology degree from UC San Diego, and graduate studies at Baylor College of Medicine. Technician in biology labs at The Salk Institute, Harvard, and MIT. Currently a patent attorney in Texas for 23 years serving entrepreneurs and start-ups.

[Getting Along with Aliens Our Transgalactic Differences Our Universal Origins](#)



Exosociology: Transgalactic Alien Relations

This three-part podcast series is an encore excerpt of a Science Circle presentation, grounded in transcultural research on what social traits we might share in common with our galactic alien neighbors and how they might act.

[Astrophysics and Entropy](#)



Guest: Dr. Rob Knop
PhD in physics from CalTech and postdoc with the Supernova Cosmology Project. Now a researcher in computational astrophysics. He served on a Nobel winning project discovering the expansion of the universe. This episode previews his talk on entropy.

[Molecular Genetics](#)



Guest: Dr. Stephen Gasior
PhD in molecular genetics and cell biology from University of Chicago. Postdoc research at Tulane Cancer Center. Currently working for DowDuPont to develop genome editing technologies for corn. Former educator at University of New Orleans and Ball State University.

[The Science Circle Turns 10: We're Live!](#)



Guest: Professor Phil Youngblood
Science Circle Board Member, university educator in computer information systems, NASA exobiologist, biochemist, military officer, and frequent Science Circle presenter since the organization's founding in 2008.



[Podcast Topics & Guests](#)

[New Tactics in Chemistry Education](#)



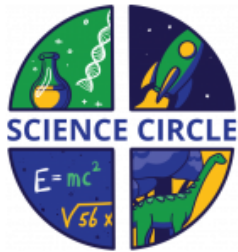
Guest: Dr. Michael Shaw
PhD in inorganic chemistry from University of British Columbia in Vancouver. Distinguished Research Professor at Southern Illinois University in Edwardsville. NSF grant in inorganic compounds for 10-years. Board Member of the Science Circle and frequent presenter in virtual world settings.

[Education Innovations](#)



Guest: Dr. Greg Perrier
Zoologist and PhD in Range Science. International development work in Africa through Peace Corps and USAID. Education innovator in teaching technologies for STEM (Science, Technology, Engineering, Math) subjects in virtual worlds through Northern Virginia Community College (NOVA).

Science Circle Podcast Platforms



Science Circle



iTunes



Google Play



Shoutcast Streaming



Spotify



TuneIn



Castbox



Overcast



Podcast App



(Pending)

Science Circle / Educare Research



**THE
SCIENCE
CIRCLE**

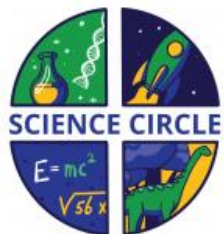
A nonprofit alliance of scientists, educators, students, and enthusiasts sharing knowledge and promoting open source education worldwide.

EDUCARE RESEARCH INC



Nonprofit educational organization to expand accessible free learning opportunities and resources for international students and educators.

Science Circle / Educare Boards



**Founded
2008**

**Trade Register
(KvK) 69118701
Netherlands
2017**



Chantal Jager,
Netherlands
Chairman & ad interim
treasurer



Jes Stannard, Australia
Secretary & vice-
chairman



Phil Youngblood Ph.D.,
USA
Executive officer



Mike Shaw Ph.D., USA
Executive officer



Gregory Perrier Ph.D.,
USA
Executive officer



Steven R. Van Hook, PhD is President, CEO and principal researcher of ERI. He specializes in transcultural teaching methods for multicultural onground and online courses, strategies in distance learning, instructor development, course design, and immersive virtual learning environments. Steven has published scholarly journal [articles](#), and has designed international programs and courses for the University of California at Los Angeles (UCLA), University of California at Santa Barbara (UCSB), California Lutheran University, Cardean Learning Group, Saylor University, and elsewhere. ([more](#))



Board Vice-Chair
Lori Dearman, MA is a seasoned international educator and administrator, as well as a pioneer and long-time advocate for online learning and communication. She has experience in international education, program direction, recruiting, promotion, budgetary oversight, program evaluation, instructor training, curriculum and course development, classroom instruction, online instruction, student advising, and internship placement.



Board Secretary-Treasurer
Sue Lee, RN is a health care provider recognized for Honor's Projects teaching primary and secondary school students, and with her husband develops websites on sustainable living, healthcare, and educational topics. She has provided nursing services for youth programs in Arizona including children of wounded soldiers, has long cared for animals, and has sailed international waters.



Board Member
Jennifer Tuman, PhD has a doctorate in Human Development, with international teaching and advising experience at Renmin University of China, the Monterey Institute of International Studies, Royal University of Bhutan, the University of Lodz in Poland, Kwansei Gakuin University in Japan, Samsung Group in Korea, and was a Peace Corps volunteer in Skopje, Macedonia.



Board Member
Vera Dolan (PhD) is a Brazilian-Canadian educator who has devoted many years to the delivery and improvement of online education. She has also worked as a faculty mentor, guiding and supporting hundreds of instructors, particularly regarding cross-cultural issues in teaching. She has published scholarly articles, and received her PhD in Higher Education at the University of Toronto/OISE.



Board Member
Chris Tucker has worked in marketing on the internet since 1996 and is the President of RightNow Communications, providing international search engine optimization (SEO), search engine marketing (SEM), social media marketing (SMM), copywriting services, and is a supporter of nonprofit causes. He was a student of Native American Studies at the University of Montana, and is an avid sailor.

ERI
**Educare Research
inc**

**Founded
2013**

**Nonprofit Tax Exempt
501(c)(3)
USA
2013**

Educare.net

Science Circle Membership



17 Nations

- Australia
- Austria
- Canada
- Denmark
- Finland
- Germany
- Hungary
- India
- Italy
- Japan
- Mexico
- Netherlands
- Russia
- Sweden
- Switzerland
- United Kingdom
- United States of America

Sample Expertise

- Anthropology
- Archaeology
- Astronomy
- Astrophysics
- Brain Science
- Computer Science
- Cosmology
- Dyslexia
- Economics
- Education
- Electronics
- Energy Conservation
- Engineering
- The Environment
- Genetics
- Geology
- History
- Languages

Sample Expertise

- Languages
- Mathematics
- Neuroscience
- Psychology
- Quantum Physics
- Radio/Video Production
- Transculturalism
- Zoology
- ... and lots more

Members & Followers

- Scientists & Educators: 65
- Students: 56
- LinkedIn 70
- Twitter 256
- YouTube 65
- Facebook 33

Professor of Communication



Steven R. Van Hook, PhD

- Global business/MBA/communication courses
- UCLA, UC Santa Barbara, California Lutheran University, National University ...



- <http://wwmr.us>
- <http://ucla.wwmr.us>
- steven@wwmr.us



California Lutheran University

Steven R. Van Hook

:: Media Samples ::



[Online](#) **TV Anchor**
Circa 1987



Russia TV Bureau Chief
Circa 1990 [Online](#)



Newspaper Writer
[Online](#) 1980s –



Radio Reporter
Circa 1985
[Online](#)



Radio Talk-Show Host
1991-94 [Online](#)



Articles on Transcultural Learning

Journal of Distance Learning Administration **(University of West Georgia)**

Van Hook, S.R. (2018, Spring)
The future revisited: Can global learning still save the world?



[Article](#)

[Local File](#)

Journal of Research in International Education (Sage)

Van Hook, S.R. (2011, April)
Modes and models for transcending cultural differences in international classrooms.

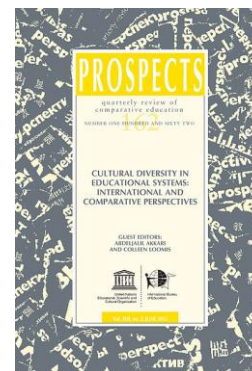


[Article](#)

[Local File](#)

UNESCO Journal “Prospects”

Van Hook, S.R. (2012, June)
Hopes and hazards of transculturalism



[Article](#)

[Local File](#)

Educare Virtual Learning Centers



*Educare Learning Center
by Educare Research on
Science Circle Island*

Non-profit 501(c)(3)

[Educare Sim in Second Life](#)



Free college materials,
English read-along
books, videos, career
development, transfer
credit possible through
Saylor Academy.



Takeaway 1: We're Live!

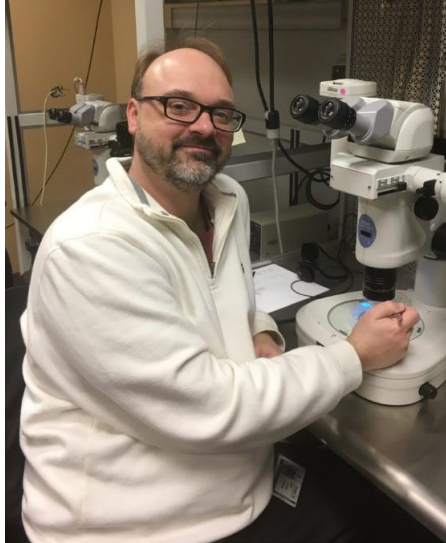


Phil Youngblood
Professor of Computer
Technologies
Science Circle Board Member
([SL: Vic Michalak](#))

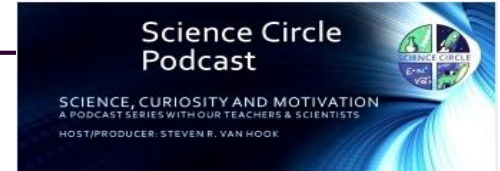
*'You can ride an atom
... you can go ashore
and become the
explorer. It's a totally
immersive world with
noises and waterfalls
and birds ... I wish
everyone could be
involved with that.'*

[Audio Online](#)

Takeaway 2: Molecular Genetics



Stephen Gasior, PhD
Molecular Geneticist
Dow DuPont
([SL: Stephen Xootfly](#))



'In the area of agriculture ... genetic engineering might ultimately be what's most important for humans to survive on the planet.'

[Audio Online](#)

Takeaway 3: Astrophysics & Entropy



Rob Knop, PhD
Astrophysicist
Westminster College
([SL: Prospero Frobozz](#))

'There are lots of small black holes ... only 10-times the mass of the sun ... we can carry that around in our pocket. Then there are super-massive black holes – billions of times the mass of the sun.'

[Audio Online](#)

Takeaway 4: Innovations in Education



Greg Perrier, PhD
NOVA Campus in Second Life
Science Circle Board Member
([SL: Dodge Threebeards](#))



'I think it's going to be necessary to have students get some background in virtual worlds, because these worlds are going to become part of the work environment.'

[Audio Online](#)

Takeaway 5: New Tactics Teaching Chemistry



Michael Shaw, PhD
Distinguished Research Professor
Science Circle Board Member
([SL: Shawza Tunwarm](#))



'I always try to have crystal structures that float like elephants ... In the 3D environment, you almost have to duck when you see one of my molecules flying at you.'

[Audio Online](#)

Local 

Takeaway 6: Patent & Copyright Law



Matthew Burr, JD
Patent Attorney
Biologist
([SL: Beragon Betts](#))

‘The biggest pattern in patent law has been the explosion of digital technologies ... We may see a similar explosion in biology with gene editing.’

[Audio Online](#)



Takeaway 7: Doctor's Tips for Healthier Life



Robert Hendrix, MD
Retired Surgeon
Medical Educator
([SL: Tagline](#))

‘People have two kinds of magic. One is the ability to change your surroundings ... The other magic is words: you can take something hard, find words for it, get your mind around it, and you got it contained.’

[Audio Online](#)



Takeaway 8: Protect Your Digital Legacy



Budd Turner
Retired Educator
Technology Expert
([SL: Josain Zsun](#))



Matthew Burr, JD
Patent Attorney
Biologist
([SL: Beragon Betts](#))

‘Just like we preserve landmarks in the real world, there’s value to preserving them in the virtual world ... We lose educational, art, and even philosophical stuff, all of which makes a difference to our culture.’



[Audio Online](#)

Local 

Takeaway 9: Transgalactic Relations



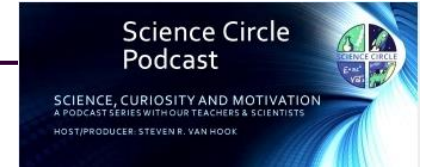
Steven R. Van Hook, PhD
Professor of Transcultural
Communications
Science Circle Podcast Host
([SL: Kip Roffo](#))



*‘She leaves her
know-it-all face at
home, and instead
wears a face of
humility and
questioning ...
and she finds herself
even more welcomed
because of it.’*

[Audio Online](#)

Takeaway 10: The Future of Science Circle



Phil Youngblood

Professor of Computer
Technologies
Science Circle Board Member
([SL: Vic Michalak](#))

*‘Science transcends
boundaries ... it
transcends ages, it
transcends nationalities.
The idea of discovery and
exploration and sharing
ideas with each other has
always been there.’*

[Audio Online](#)



Future Guest Wishlist



Diversity



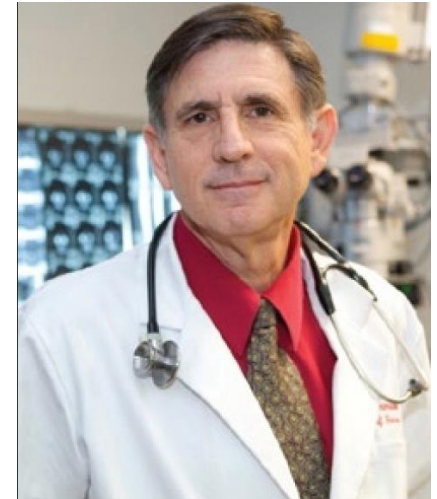
William Shatner
Captain Kirk / Actor



Mayim Bialik
Neuroscientist / Actor



Membership

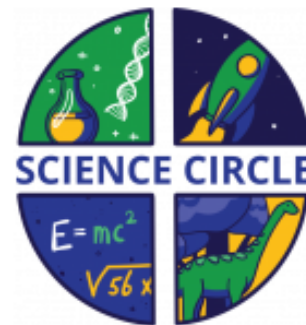


Allan Hamilton
Brain Surgeon / Author

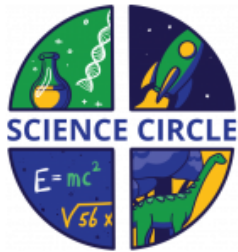
Suggestions to:
steven@wwmr.us

Future Goals & Needs

- Durability
- Subscribers
- Platforms
- Greater Diversity
- Global Outreach
- Grant Support
- Free Education Support
- Technological Enhancements



Science Circle Podcast Platforms



Science Circle



iTunes



Google Play



Shoutcast Streaming



Spotify



TuneIn



Castbox



Overcast



Podcast App



(Pending)

Contact

Steven R. Van Hook, PhD

- **Educare Research inc**
*Nonprofit International
Educational Resources*
- <http://educares.net>
- <http://wwmr.us>
- steven@wwmr.us
- Channel Islands Harbor
California, USA

