

3rd Webinar CONSOLFOOD

Luther Krueger's "Museum of Solar Cookers"

2nd May 2020

Minneapolis, :The City Of Lakes"

Minnesota USA 44.94N 93.28W elevation 270m

Luther Krueger
kruegerian@gmail.com
+1 612-290-9450

What follows is a pictorial survey of most of the 57 cookers currently in circulation in our "Museum". Over time I have been gathering the history behind them as well. I welcome any/all questions, and if you have any of these cookers, please send the story behind your acquisition, use, druthers...

For scale, many of the photos were taken on our Solar Brunch deck, the boards are 5 1/2" / 14cm wide. They aren't all deployed with food being cooked, but where possible appropriate pots, heat traps, and accessories are included in the photo.



2004:Halacy 30/60 DIY
"Cooking with the Sun."





**2008: SunStove
SunStove Organization**

**USA - Wisconsin
South Africa**

Design: Richard Wareham

**Box Cooker with internal reflectors
Plexiglass cover/window**

**Internal reflector and exterior shells
are made of recycled printing press
plates, sliced and crimped, pop-
riveted into shape. Insulation of any
kind, sandwiched between the two
shells joined by standard one-by
boards.**





**2005: Global Sun Oven
Sun Ovens International, Inc.
USA - Elburn, Illinois**

Design: Tom Burns

**Box cooker with
external reflectors**



**2005: Sport
Solar Oven Society Inc.
USA - Apple Valley, Minnesota**

Design: Paul Funk

**Box cooker with
external reflectors.**

**2019: Solar Brother
SunTaste 200**

**Prof. Manuel Collares Pereira et. al.
Évora, Portugal**

Box Cooker

Cork walls serve as insulation as well as the cookbox





2007: SunBD Corporation
Tulsi
India
USA

Hybrid: Box Cooker with reflector
Internal heating element for cloudy
weather, night time cooking

See further down, Ugli Cooker



**2019: SunBD Corporation
Ugli**

USA - Waterloo, New York

Design: David Chalker

**Box Cooker - Hybrid, with electric
heating element embedded in base**



**2019: United Solar Energy Inc.
United Solar Cooker**

USA - Las Vegas, Nevada

Design: Ranen Ghatak

Box Cooker - one glass mirror





**2020: Sun Dome Solar Oven
USA - Oshkosh Wisconsin**

**Parabolic Cooker - converted
parasole**

Design: Tom Hallquist

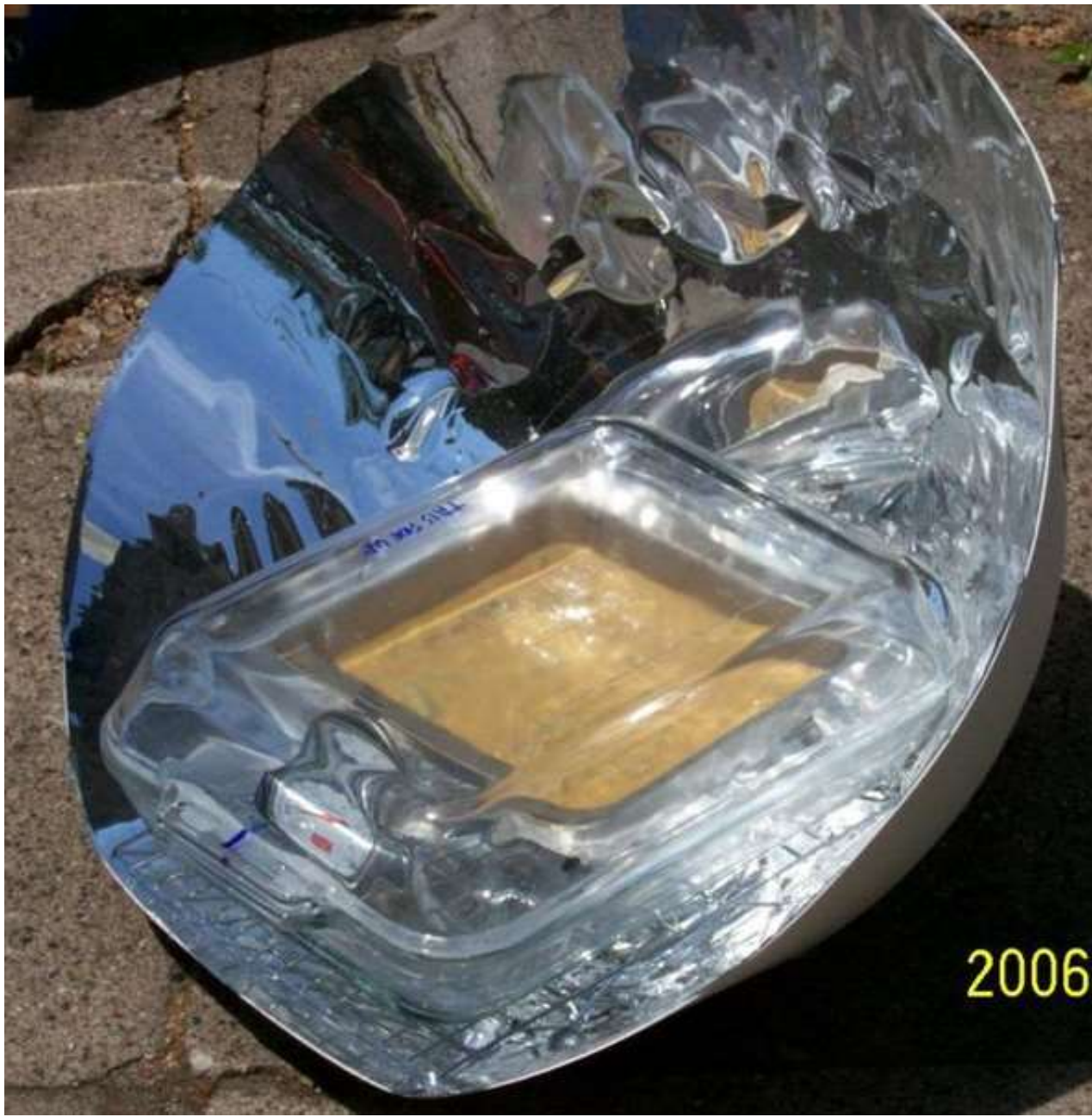




**2007: Boundless Energies Solar
Harvester
Alberta, Canada**

**Box Cooker with external reflectors
ABS body**





**2006: Parvati-Open source/DIY
Panel/Funnel**

Maharashtra, India

Design: Ravindra & Shobha Pardeshi

**A fabricated model is produced by
Rudra Solar Energy
India - Ahmedabad**



2007: SunFlair

Design: Melinda Seller

Panel Cooker - plastic zipped cover heat trap



**2007: S. Claus Toys
Copenhagen**

USA - San Diego, California

Design: Sharon Clausson

Panel Cooker



2007: All Season Solar Cooker

USA - San Diego, California

Design: Jim LaJoie

Panel Cooker



**2007: Haines Solar Cooker
Haines Cooker**

USA - San Diego, California

Design: Roger Haines

**Panel Cooker - polycarbonate skirt and
lid for heat trap**

**2019: Solar Brother / IDCook
Sungood**

Paris, France

Design: Gilles Gallo et. al.

Panel Cooker





2019: Molly Baker Cooker

USA - La Pine, Oregon

Design: Molly Baker

Panel/Funnel Cooker

**2007: Solar Household Energy Inc.
Hot Pot
USA - Washigton DC
Mexico**



**Panel Cooker with enameled pot
in a borosilicate bowl, lid for a heat trap**

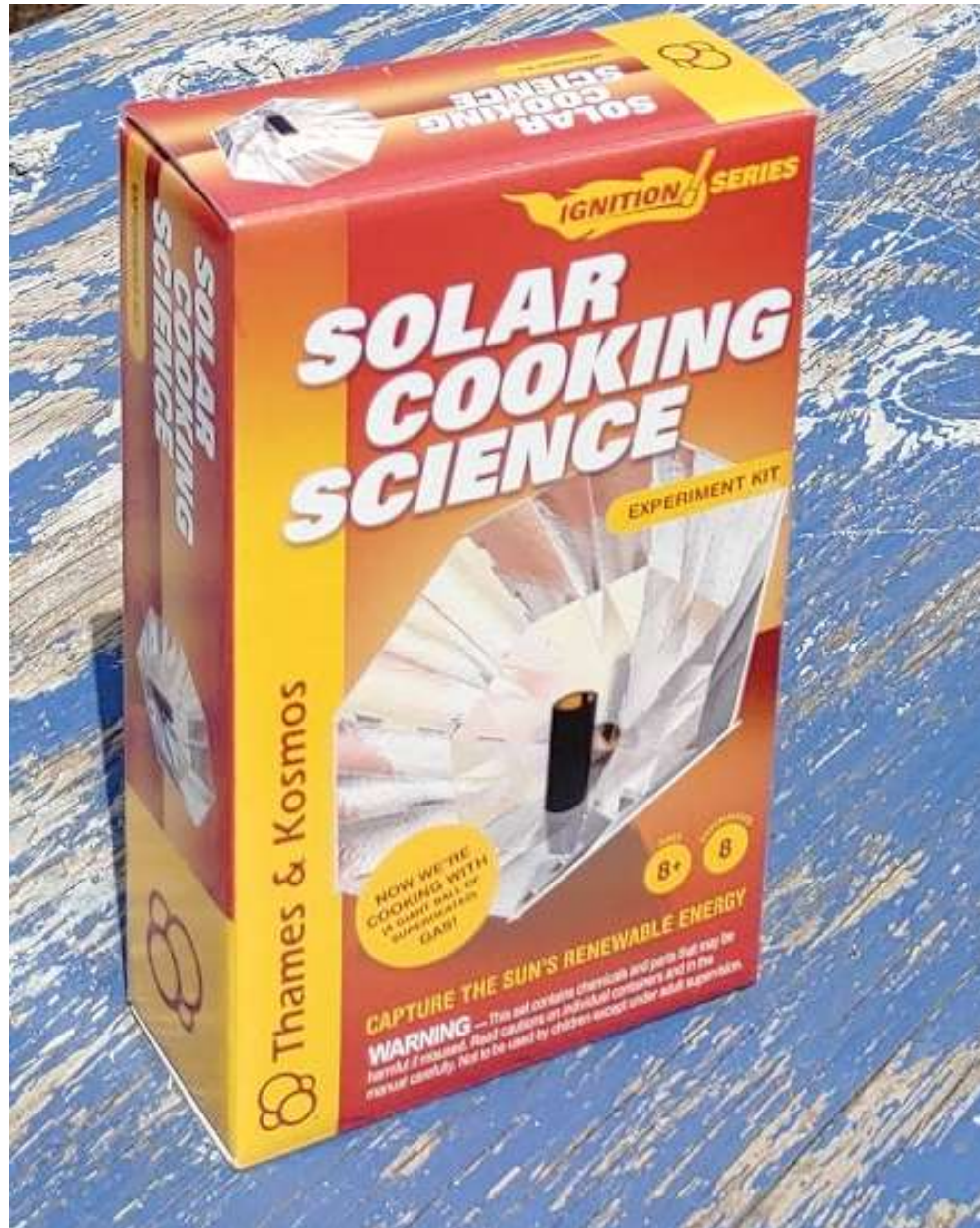


2007: Sun Toys Solar Cooker

USA - Renton, Washington

Panel Cooker -
in the manner of the CookIt





2020: Solar Cooking Science

USA - Providence, Rhode Island

Panel Cooker

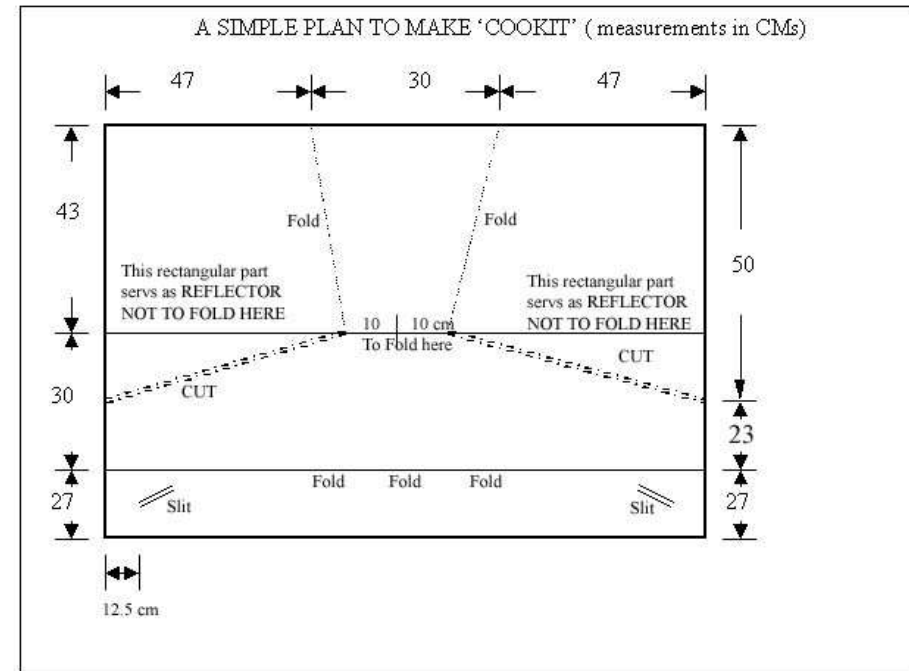


2007: Solar Box Cookers International Cookit

USA - Sacramento, California

Design: Barbara Kerr, Sherry Cole

Panel Cooker - open source/DIY



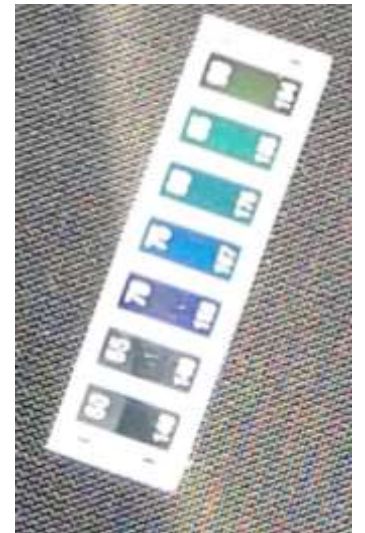
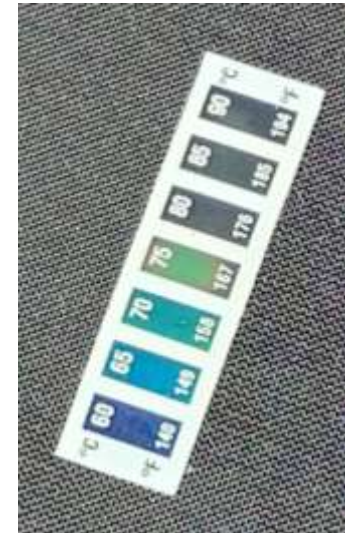


2016: Solar Cooking Briefcase

USA

Design: Dennis Burkholder

Panel Cooker





2006: Renewcy Diamond Cooker

Cyprus

**Design:
Andreas Fasoulides, Kyriakos Antoniou**

Panel Cooker



2010:
Octagon Cooker

Panel Cooker

**2019: SunDish
Sun Dish**

India - Kothrud, Pune

Design: Milink Kulkarni

**Panel/Funnel Cooker -
with polycarbonate cylinder heat trap, tiffin**





**2006: SK14, 750, and 350
EG Solar
Germany**

Design: Dieter Seifert

Parabolic



**2007: Andersen Manufacturing
Andersen Solar Cooker
USA - Idaho Falls, Idaho**

Design: Mike Andersen

**Parabolic cooker
Reflector bounces light to side of pot
Pot on lazy suzan with ball bearings and
3 D-cell batteries, to keep solids in the
pot from scorching**



**2018: Zomeworks
SunFlash**

USA - Albuquerque, New Mexico

Design: Steve Baer, Liu Yoder

**Parabolic Cooker
Pyrex bowl "globe" heat trap**





**2018: Sunplicity
Libertad 400
Albi, France**

Design: Alain Bivas

**Parabolic Cooker
Collapsible, portable**





**2019: Triple Solutions/Tai-In Co.
U-Solar Cooker with Tripod**

South Korea

Design: Jaecheal Lee

Parabolic Cooker - converted parasole



2019: Sun Way
SolNar

Halba Akkar, Lebanon

Design: Adnan Tarcici, patented 1991

Parabolic Cooker





2010: Tiny Tech

India - Rajkot

Parabolic Cooker

2011: ID Cook
CookUp 200 Barbecue

France

Parabolic Cooker
Portable





2006: Solar Bar-B-Que

USA - Marina Del Ray, California

Design: Pioneer Solar Corporation

Trough Parabolic Cooker





**2009: Mueller SolarTechnik.
Primrose**

Design: Roger Bernard

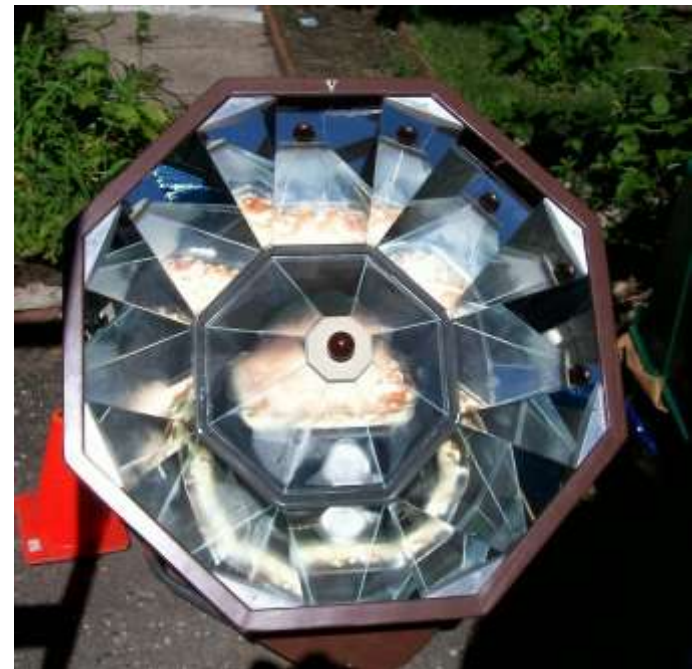
**Hybrod: Box Cooker with parabolic
trough reflector, light bounced up to
bottom of the pot**



2010: Solar Chef International
Solar Chef
USA - Washington State, Texas

Design: Sam Erwin

Hybrid: Panel/Box
Glass mirrors, glass pyramidal cover





**2019: GoSun
Fusion**

Design: Patrick Sherwin

**Vacuum Tube Cooker
with parabolic trough reflector**



**2014: Himin Solar
Solar BBQ**

China - Shandong

**Vacuum Tube Cooker
with parabolic trough reflector**





**2019: California Sunlight
CS-3200
USA - Sacramento, California**

Design: Bing Gu

**Fresnel Lens Cooker
Enclosed concentrated light cone
Multiple cooker attachments**

2019: Fresnel Lens Cooker

USA - Minneapolis Minnesota

Design: Luther Krueger

Fresnel Lens Cooker - an amalgm of other designs shared online. Can cook from above or with stainless steel mirror below





2019: Arlus Walters Solar Cooker

USA - Christie, Oklahoma

Design: Arlus Walters

**Convection Cooker - copper pipes filled
with light mineral oil, retains heat up to
280F, 140C**



2016: SunPortal

USA - Minneapolis, Minnesota

Design: Luther Krueger

**Box Cooker -
Through-The-Wall based on Barbar Kerr,
Sherry Cole design**

