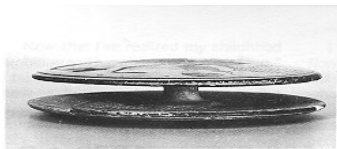
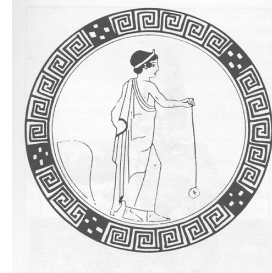


## SOCIAL STUDIES

### HISTORY OF THE YO-YO

It is believed that the yo-yo most likely originated in China. The first historical mention of the yo-yo, however, was from Greece in the year 500 B.C. These ancient toys were made out of wood, metal, or painted terra cotta disks and called just that, a *disc*. It was customary, when a child turned of age, to offer toys of their youth to certain gods. Due to the fragile nature of the material, it is presumed that the disks made of terra cotta (clay) were used for this purpose rather than for actual play. A vase painting from this time period shows a Greek youth playing with a yo-yo. Such vases, as well as an actual terra cotta disk can be found in the National Museum of Athens, Greece.



Even in ancient Egyptian temples, drawings of objects have been seen in the shape of yo-yos.



Historical records indicate that 16th century hunters in the Philippines hid up in trees and used a rock tied to a long cord, up to 20 feet in length, to throw at wild animals beneath them. The weapon was able to be pulled up and thrown back down for multiple attempts at the prey. This gave rise to the widespread idea that the practice was the true forerunner of the yo-yo, but this is a stretch of imagination and has no real basis in fact. It is extremely likely, however, that the yo-yo did travel from China not only to Greece, but also to the Philippines, where the yo-yo is known to have been a popular toy for children over a very long period of time.

The next historically dated mention of the yo-yo is a box from India made in the year 1765. This miniature box was hand-painted with the picture of a girl in a red dress playing with her yo-yo. Within the next 25 years, the yo-yo traveled from the Orient to Europe, specifically to the aristocracy (upper class) of Scotland and France and on to England. As it traveled, it became known by a variety of names.

In France, a painting dated to 1789 shows the 4 year-old, future King Louis XVII holding his *l'emigrette*. It was during this time of the French Revolution and the "Reign of Terror," that many of the French aristocracy were forced to flee to Paris, Germany and across other borders when their style of life was threatened by the peasant uprisings, taking their popular yo-yos made of glass and ivory with them. *L'emigrette* is a French

term meaning to ‘leave the country.’ Another nickname for the yo-yo at this time was *de Coblenz*, which was a city to which many French fled. These names reflect an important historical connection between the toy and the French Revolution.



The yo-yo’s value as a stress reliever is also seen through history. While being a fashionable toy for the French nobility, those less fortunate are said to have played with their emigrettes to reduce the understandable tension of their one-way trip to the guillotine. Dating through the 1780’s, there are drawings of General Lafayette and others with their troops flinging their yo-yos. The yo-yo arrived in Paris in 1791 as it spread through France and was called the “*joujou de Normandie*.” Some believe that this term may reflect possible roots for the modern American name of “yo-yo.” High interest in the toy continued as evidenced by the famous French playwright, Beaumarchais, in his treatment of “The Marriage of Figaro” in 1792. There is a scene where the nervous Figaro enters and conveys his tension, not by the conventional wringing of his hands, but playing with his emigrette! When asked what the emigrette is good for, Figaro responds, “It is a noble toy, which dispels the fatigue of thinking.” Even on June 18, 1815, at the famous Battle of Waterloo, Napoleon and his army are known to have been seen relaxing with their yo-yos before battle.

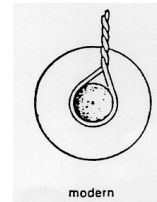
The yo-yo craze traveled throughout Europe to England by way of Scotland and France. The English used the French word *bandalore* and the term *quiz*, to identify the toy. In 1791, a print was circulated of the Prince of Wales, future George IV, whirling his bandalore. Because of the toy’s popularity as well as the prince’s power to sell, the toy also became known as the *Prince of Wales’ toy* and soon became a toy that any person of fashion had to own. The toy’s ongoing popularity in England is shown as late as 1862 when an illustration appeared showing two young lads terrifying an older woman with their quizzes.



The first recorded reference to any type of yo-yo in the United States was in 1866 when two men from Ohio received a patent for an invention called “an improved bandalore,” in that it was rim weighted. One year later, a German immigrant named Charles Kirchof patented and manufactured the *return wheel*. From then until 1911, although various patents were awarded in the United States related to the yo-yo, nothing notable occurred. In 1916, the Scientific American Supplement published an article titled “Filipino Toys” which showed it and named it a *yo-yo*. This was explained by some as the Filipino word for “come-come” or “to return.” Significant events were soon to happen in the United States.

Meanwhile, back in the Philippines, the natives were becoming experts at making and using the toy. They became excellent wood carvers of the yo-yo and playing with a yo-yo, beginning early in childhood, became a national pastime. Not surprisingly, it was from here that the yo-yo as we know it today was truly introduced into the United States. In the 1920s, a man named Pedro Flores brought the first Filipino yo-yo to the U.S. and in 1928, began a yo-yo company by the same name in California.

These yo-yos were hand-carved from a single piece of wood. The yo-yo was unique because it was the first yo-yo that did not have the string tied to the axle. Instead, the string was looped around the axle, allowing the yo-yo to spin or “sleep” at the end of the string. This concept is at the heart of yo-yoing today. Rather than being able to only go up and down, the yo-yo was now capable of doing an infinite number of tricks.



In 1928 or 1929, a businessman named Donald F. Duncan Sr. saw his first Flores yo-yo while he was in San Francisco. He saw the potential of the toy as he witnessed the crowd that Pedro was able to draw by doing a few tricks. He purchased not only the idea of the yo-yo, but the Pedro Flores company itself. And, as they say, “the rest is history.”

Donald Duncan was an excellent businessman. He developed advertising campaigns and had demonstrators working for him in the U.S., as well as Western Europe. “Duncan Yo-Yo Professionals” traveled throughout the United States teaching and demonstrating yo-yo tricks and conducting contests in an effort to promote sales. Competition grew as other companies began to see the toy’s potential. In 1932, in an effort to protect his interest, Duncan filed for and was assigned a trademark for the word “yo-yo.” Not able to use the term “yo-yo,” competitors were forced to use terms like “*come-back*”, “*return*”, “*returning top*”, “*whirl-a-gig*”, and “*twirler*” for their versions of the toy.

In 1946, the Duncan Company moved to Luck, Wisconsin, which quickly became known as the “Yo-Yo Capital of the World” producing 3,600 yo-yos per hour. They produced the original maple wooden yo-yos using 1,000,000 board feet per year. In 1960, plastic yo-yos that we still see today began to be manufactured. Sales grew and grew. By 1962, the Duncan Company alone sold a record 45 million yo-yos in a country with only 40 million kids, and still could not keep up with the demand. High television advertising expenses and excessive expenses in overtime wages and materials to keep up with the demand hurt profits. There was also the continual legal expense in trying to hold onto the trademarked word “yo-yo.” Competitors fought hard to use it in describing their products. Finally, in 1965, the Federal Court of Appeals ruled that Duncan’s trademark for the word “yo-yo” was no good. The term yo-yo had become so widespread that it was now a permanent part of the language and it no longer only described the toy. It, in fact, WAS the toy.

Tragically, in November of 1965, the Duncan Company could hold on no longer and was forced into bankruptcy. Although pieces of equipment were auctioned off to various buyers, Flambeau Plastics Company purchased the most valuable asset, the “Duncan” name and the goodwill that came along with it. It is the Flambeau Plastics Company that manufactures and sells the eleven different models of Duncan yo-yos today. June 6 has been deemed National Yo-Yo Day in honor of Donald Duncan Sr.’s birthday and the phenomenal influence he had in the world of yo.

Trivia enthusiasts will enjoy noting that in 1968, Abbie Hoffman was cited for contempt of Congress for “walking the dog” in an effort to entertain the House Subcommittee on Un-American Activities that was investigating him and Richard Nixon made headlines when he yo-yoed on stage at the opening of the Grand Ole Opry in Nashville in 1974. The yo-yo is, indeed, universal.

In recent years, technology has affected a multitude of the products we use, and the seemingly simple yo-yo has been no exception. Beginning in the 1970s, yo-yo manufacturers, seeing the benefit of periphery weight distribution, began rim-weighting their products for a longer spin. In 1978, Tom Kuhn patented the “No Jive 3-in-1” yo-yo, the first take-apart by hand yo-yo and the first having a replaceable axle. In 1980, Michael Caffrey patented “The yo-yo with a Brain.” In addition to a free-spinning sleeve bearing for long spin times, “The Brain” has a centrifugal spring loaded clutch mechanism that causes an automatic return of the yo-yo to the hand when the rotational spin slows to a pre-determined rate. And by the 1990s, transaxle yo-yos were available with ball-bearing axles, increasing spin times once again.

But this is not quite the end of the story. On April 12, 1985, the yo-yo was first taken into space by NASA on the Space Shuttle Discovery as part of the Toys in Space project. A basic spinning yo-yo was used to see what effect microgravity would have on it. What they discovered was that a yo-yo could be released at slow speeds and gracefully move along the string. However, the yo-yo refused to “sleep.” Without the downward force of gravity, the yo-yo could not spin against the loop at the end of the string and so, rebounded up the string. It was also found that the yo-yo must be thrown, not dropped, as there was no gravity to pull it down. And on July 31, 1992, the yo-yo (an SB-2) again made its way into space, on the Space Shuttle Atlantis, this time for an educational video including slow-motion yo-ing.

Whether the yo-yo was a Chinese, Greek or Filipino invention or some combination is difficult to prove. By the same token, it is also difficult to say with certainty whether the toy spread from country to country or whether the same basic pattern for the toy appeared in completely different parts of the world for no obvious reason. We do know that its use as a toy around the world and throughout history is unmatched. And, although the yo-yo has gone through periods of hibernation in its trek through the ages, its popularity, just like the toy itself, always comes back.

References:

1. World on a String, Helane Zeiger, 1989
2. The One and Only Yo-Yo Book, George Malko, 1978
3. The Mature Person's Guide to Kites, Yo-Yos, Frisbees and other Childlike Diversions, Paul Dickson, 1977
4. The Klutz Yo-Yo Book, John Cassidy, 1987
5. Toys in Space, Dr. Carolyn Sumners, 1992
6. Daily Life in Greece at the Time of Pericles, Robert Flaceliere
7. American Scientist, "The Yo-Yo: A Toy Flywheel", March-April 1984, Wolfgang Burger
8. American Yo-Yo Association Newsletter, December 1994, "Pre-Duncan Yo-Yo Time Line", Lucky Meisenheimer, MD

Photo Credits:

- |  |  |
|--|--|
| 1. Greek vase painting                         | Staatliche Museen Preussischer Kulturbesitz<br>Antikenmuseum, Berlin |
| 2. Greek terra cotta disk (3 views)            | Metropolitan Museum of Art, Fletcher Fund, 1928                      |
| 3. Frenchman Andre' Boniface<br>Louis Mirabeau | Library of Congress  |
| 4. English woman with boys                     | New York Public Library Photo Room                                   |

**PATENTS AND TRADEMARK**  
**Teacher Reference**

Contact: U.S. Department of Commerce  
U.S. Patent and Trademark Office  
Washington, D.C. 20231

Internet: <http://www.USPTO.GOV> (to access the U.S. Patent Office web page)

A **patent** is a grant of a property right from the Government, acting through the Patent and Trademark Office, to an inventor (or heirs thereof) which excludes others from making, using or selling an invention for a period of 17 years. A patent may be granted only to the true inventor. Many inventors make a search of patents already granted to be sure that no one else has already patented their idea. The term may be extended only by a special act of Congress. After the expiration of the term or if the patentee fails to pay the maintenance fees, the patentee loses the rights to the invention. The term “patent pending” is used by a manufacturer or seller of an article to inform the public that an application for a patent on the article has been made but is not yet completed.

A **trademark** is a word, phrase, symbol or design or combination of such, which identifies the source of goods and to distinguish them from the goods of others. Trademark rights are used to prevent others from using a confusingly similar mark, but not to prevent them from making the same goods. Trademark rights can last indefinitely if the owner continues to use the mark. The term of a federal trademark is 10 years, with 10-year renewal terms. Like patents, an application to register a trademark is made to the Patent and Trademark Office. In evaluating an application, an examining attorney performs a search to see if a conflicting mark is already being used. Many applicants conduct their own searches prior to applying with the PTO.

For more information: (copies are available at public libraries)

Basic Facts about Registering a Trademark pamphlet  
U.S. Department of Commerce/Patent and Trademark Office

Basic Facts Patents pamphlet  
U.S. Department of Commerce/Patent and Trademark Office

General Information Concerning Patents pamphlet  
U.S. Department of Commerce/Patent and Trademark Office

Avoiding Patent, Trademark and Copyright Problems pamphlet  
U.S. Small Business Administration  
by Thomas Field

**Goodwill** is defined as the value to a business of its established position and customers.

## Social Studies Activities

### **1. Map the cultural dispersion of the yo-yo on the attached world map(s). List the countries. Make a key.**

- Suggested grade level: 3-8
- Standards of Learning used:
  1. Read, view and listen to complex information in the English language
  5. Conduct research and communicate findings
  7. Understand interactions between people and cultures

### **2. Complete the attached Word Search**

#### **1. Names used for the yo-yo throughout history**

- Suggested grade levels: 1-8
- Standards of Learning used:
  1. Read, view and listen to complex information in the English language
- Additional Skills:

Word recognition, spelling

### **3. Complete the attached crossword puzzle of yo-yo history.**

- Suggested grade levels: 3-8
- Standards of Learning used:
  1. Read, view and listen to complex information in the English language
  5. Conduct research and communicate findings

### **4. Make a timeline identifying five or more significant dates in yo-yo history.**

- Suggested grade levels: 2-8
- Standards of Learning used:
  4. Solve problems by applying mathematics
  5. Conduct research and communicate findings

### **5. Research trademarks and patents and goodwill. Answer the following questions:**

- Suggested grade levels: 4-8
- Standards of Learning used:
  1. Read, view and listen to complex information in the English language
  2. Write and speak effectively in the English language
  5. Conduct research and communicate findings
  8. Use information to make decisions

- 1. What is a trademark?**
- 2. What is the purpose of a trademark?**
- 3. How do you get a trademark?**
- 4. What did the Duncan company trademark?**
- 5. Why was the trademark important to them?**
- 6. Why did they lose their trademark? What effect did it have?**

**7. Can you think of other products that could have the same problem that Duncan had keeping their trademark? Why?** (Possible Answers: Kleenex, Coke, Scotch tape)

**8. What is a patent?**

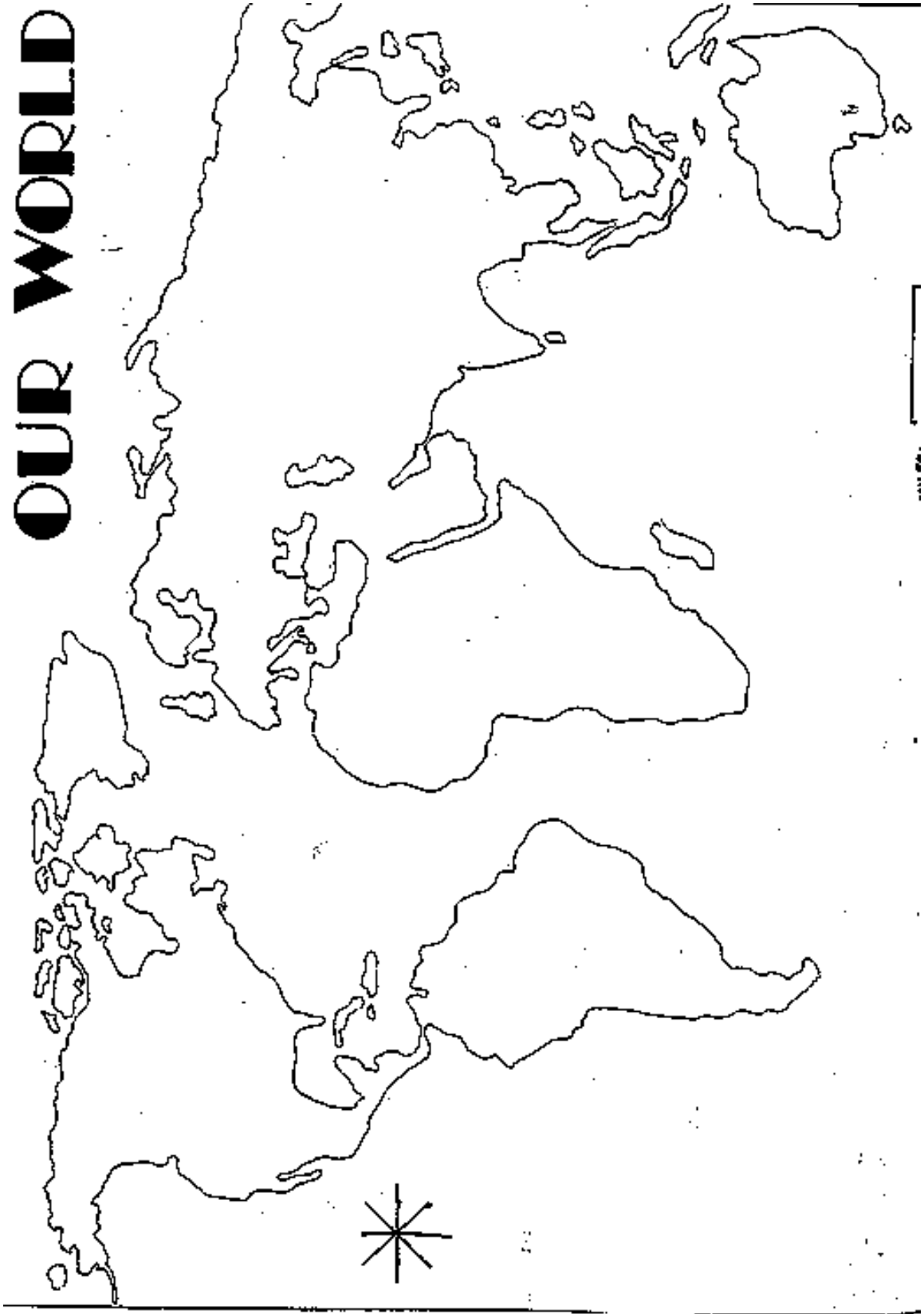
**9. What is the purpose of a patent?**

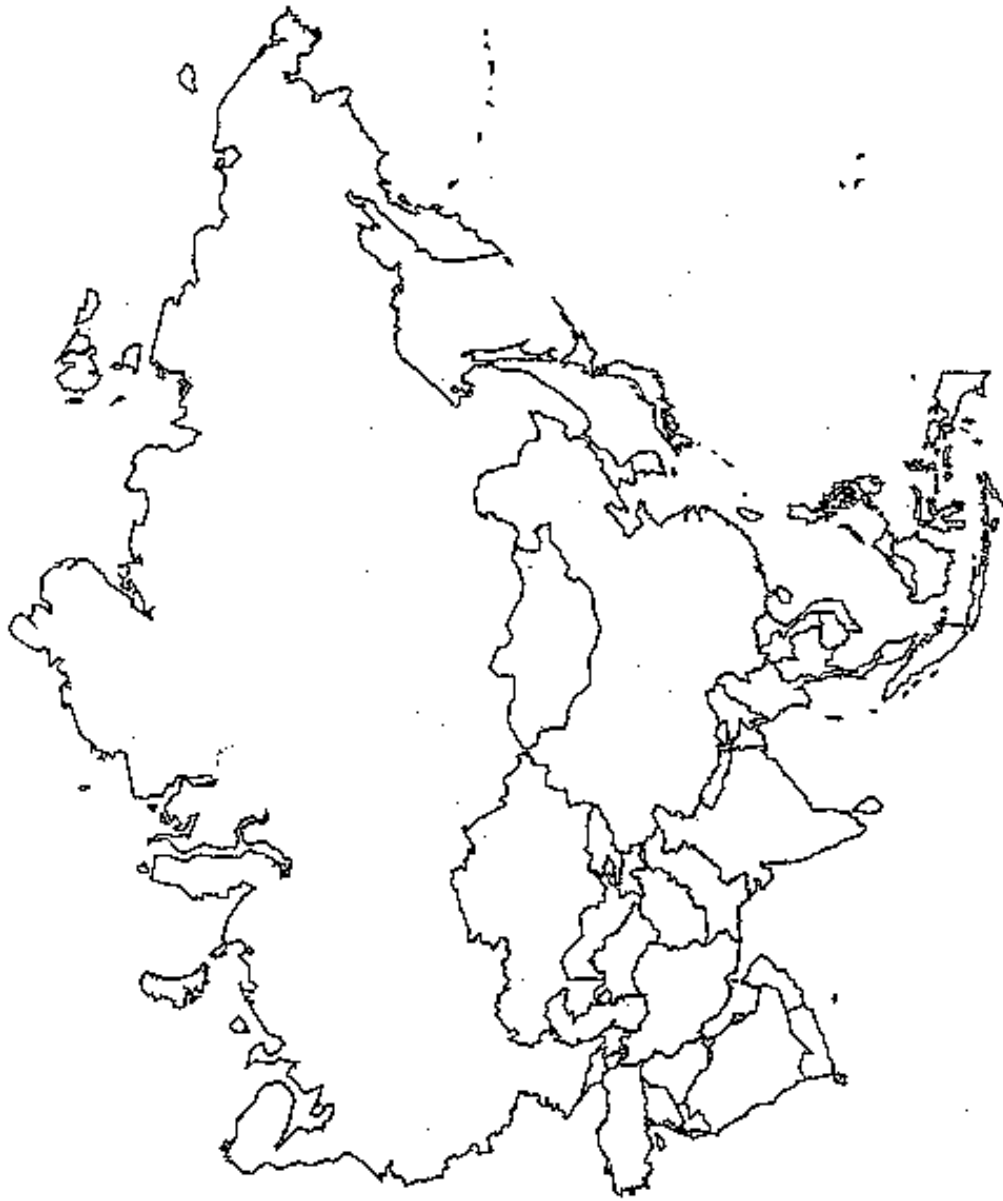
**10. How do you get a patent?**

**11. Define goodwill.**

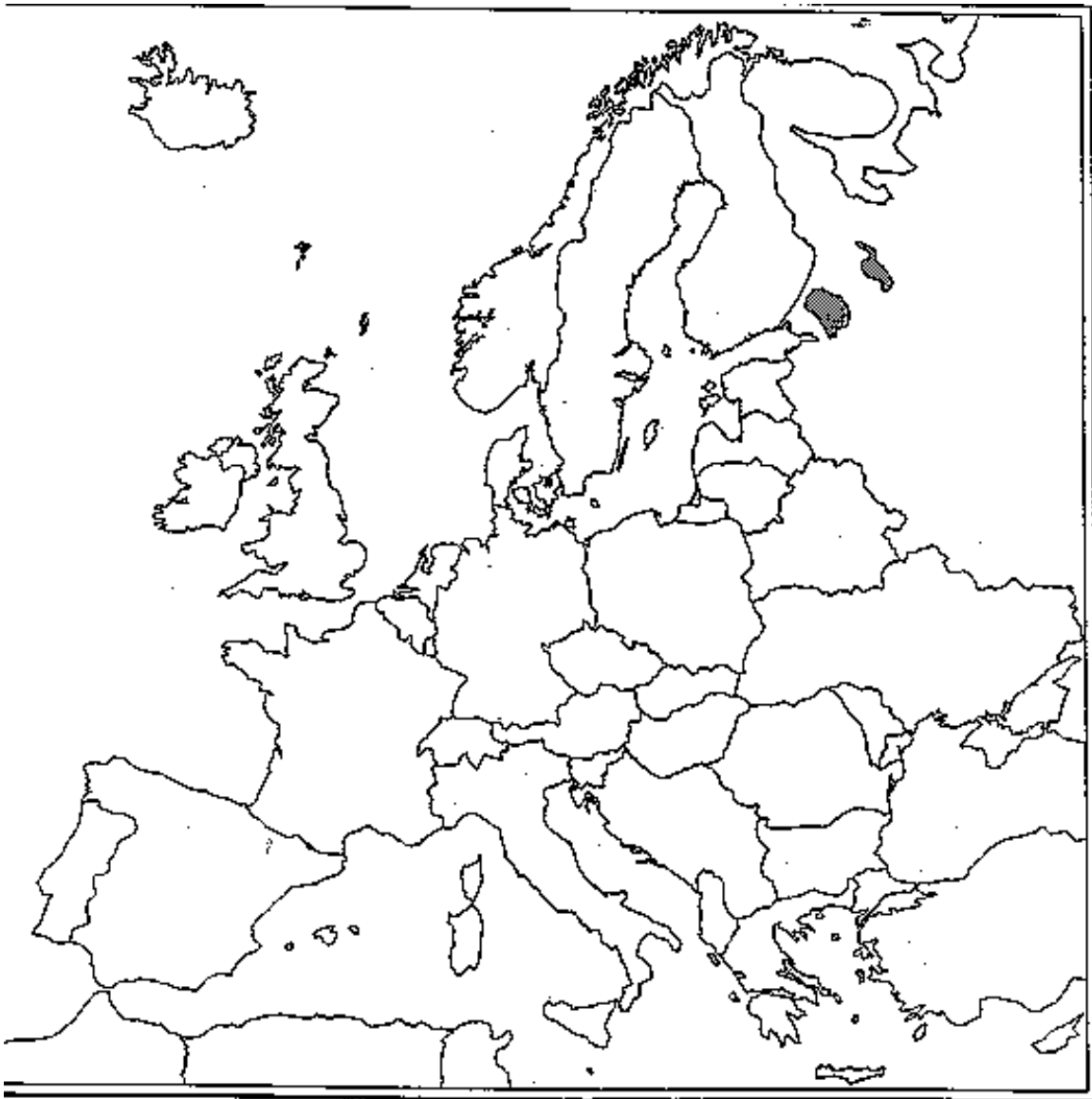
**12. Why was this important to the Flambeau company?**

# OUR WORLD





Asia



Europe



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Africa

NAMES FOR YO-YOS IN HISTORY

Find the following words in the puzzle below. Words are hidden in all directions...up and down, side to side, diagonally...forward and backward.

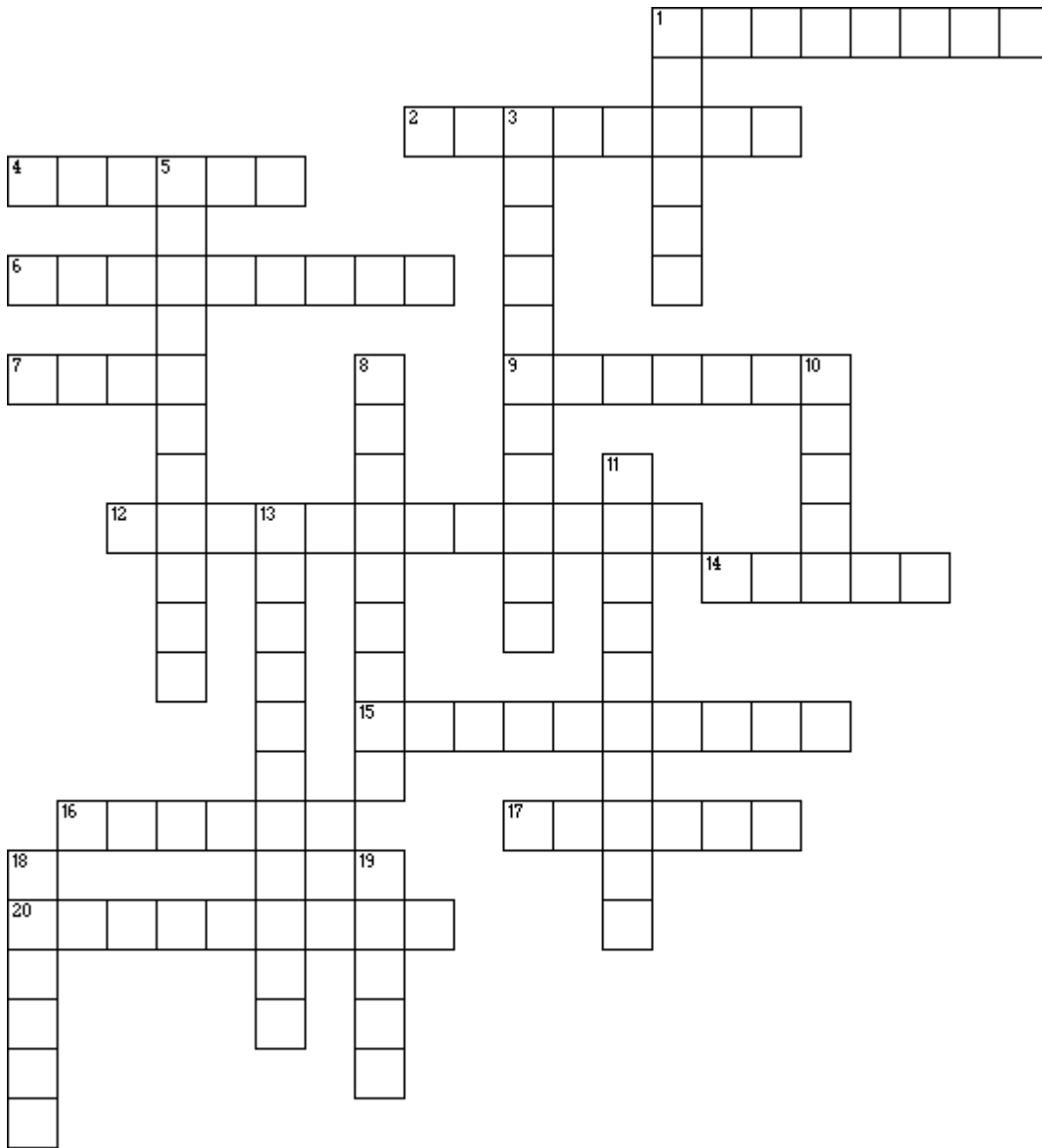
- BANDALORE
- COMEBACK
- DECOBLENZ
- DISC
- INCROYABLE
- JOUJOU
- LEMIGRETTE
- PRINCEOFWALESTOY
- QUIZ
- RETURN
- RETURNINGTOP
- RETURNWHEEL
- TWIRLER
- WHIRLAGIG
- YOYO

I	N	C	R	O	Y	A	B	L	E	Y	H	X	O	C	P	
R	W	H	I	R	L	A	G	I	G	U	G	C	O	R	T	
D	E	F	G	C	X	B	Z	L	N	P	S	M	I	C	L	
E	V	T	Z	G	F	F	C	U	U	I	E	N	P	S	J	
C	O	P	U	I	C	N	U	O	D	B	C	W	O	R	E	
O	Y	H	O	R	U	A	S	C	A	E	D	J	J	E	L	
B	V	O	H	T	N	Q	L	C	O	X	T	V	G	T	E	
L	I	N	C	R	O	Y	A	B	L	E	Y	H	X	O	C	P
E	R	W	H	I	R	L	A	G	I	G	U	G	C	O	R	T
N	D	E	F	G	C	X	B	Z	L	N	P	S	M	I	C	L
Z	E	V	T	Z	G	F	F	C	U	U	I	E	N	P	S	J
I	C	O	P	U	I	C	N	U	O	D	B	C	W	O	R	E
F	O	Y	H	O	R	U	A	S	C	A	E	D	J	J	E	L
Z	B	V	O	H	T	N	Q	L	C	O	X	T	V	G	T	E
J	L	U	I	X	J	G	I	K	F	N	R	D	G	S	T	E
Y	E	E	N	S	D	I	N	W	H	G	I	P	F	F	E	H
N	L	H	O	S	U	A	I	T	Z	Q	H	C	Q	R	W	
Z	A	L	B	O	L	H	F	N	W	E	P	V	O	G	N	
I	Z	U	J	E	N	Q	J	D	R	I	Q	O	Y	I	R	
F	J	U	S	L	J	R	U	A	L	U	R	A	O	M	U	
Z	O	T	R	H	F	Q	A	E	X	R	T	L	Y	E	T	
J	O	J	S	S	I	Y	R	H	J	D	T	E	E	L	E	
Y	B	A	N	D	A	L	O	R	E	R	X	H	R	R	R	

ANSWER TO  
WORD  
SEARCH:

NAMES  
FOR YO-  
YOS IN  
HISTORY

**CROSSWORD PUZZLE  
OF HISTORICAL YO-YO FACTS**



**CROSSWORD PUZZLE**  
**OF HISTORICAL YO-YO FACTS**

**CLUES**

**Across**

- 1 Benefit that came along with the Duncan name when it was purchased by Flambeau Plastics
- 2 Famous French military leader who played with a yo-yo
- 4 Stories tell of Filipino hunters using a yo-yo type device as what item
- 6 What Duncan owned that kept others from using the word yo-yo
- 7 The toy that always comes back
- 9 In 1960, yo-yos first began to be made from what substance
- 12 Man who made yo-yoing famous in the U.S.
- 14 In 1985 and 1992, where the yo-yo was selected to go
- 15 Many French names for the yo-yo had a historical significance to this French event
- 16 Country where the yo-yo was first popular when it reached Europe
- 17 Document in 1866 which contained the evidence of a yo-yo in the U.S.
- 20 Type of yo-yo using a ball bearing

**Down**

- 1 Country that the first historical mention of the yo-yo in 500 B.C.
- 3 Country famous for carving yo-yos
- 5 Filipino man who brought yo-yos to the U.S.
- 8 Popular name for yo-yo in England
- 10 Country where the yo-yo most likely originated
- 11 In 1965, what the Duncan company was forced to file for.
- 13 Another name for the upper class who used the yo-yo in Europe
- 18 Throughout history, what the yo-yo has been used to relieve
- 19 What a yo-yo can do when the string is looped rather than tied to the axle

Answer to Yo-Yo History Crossword Puzzle

