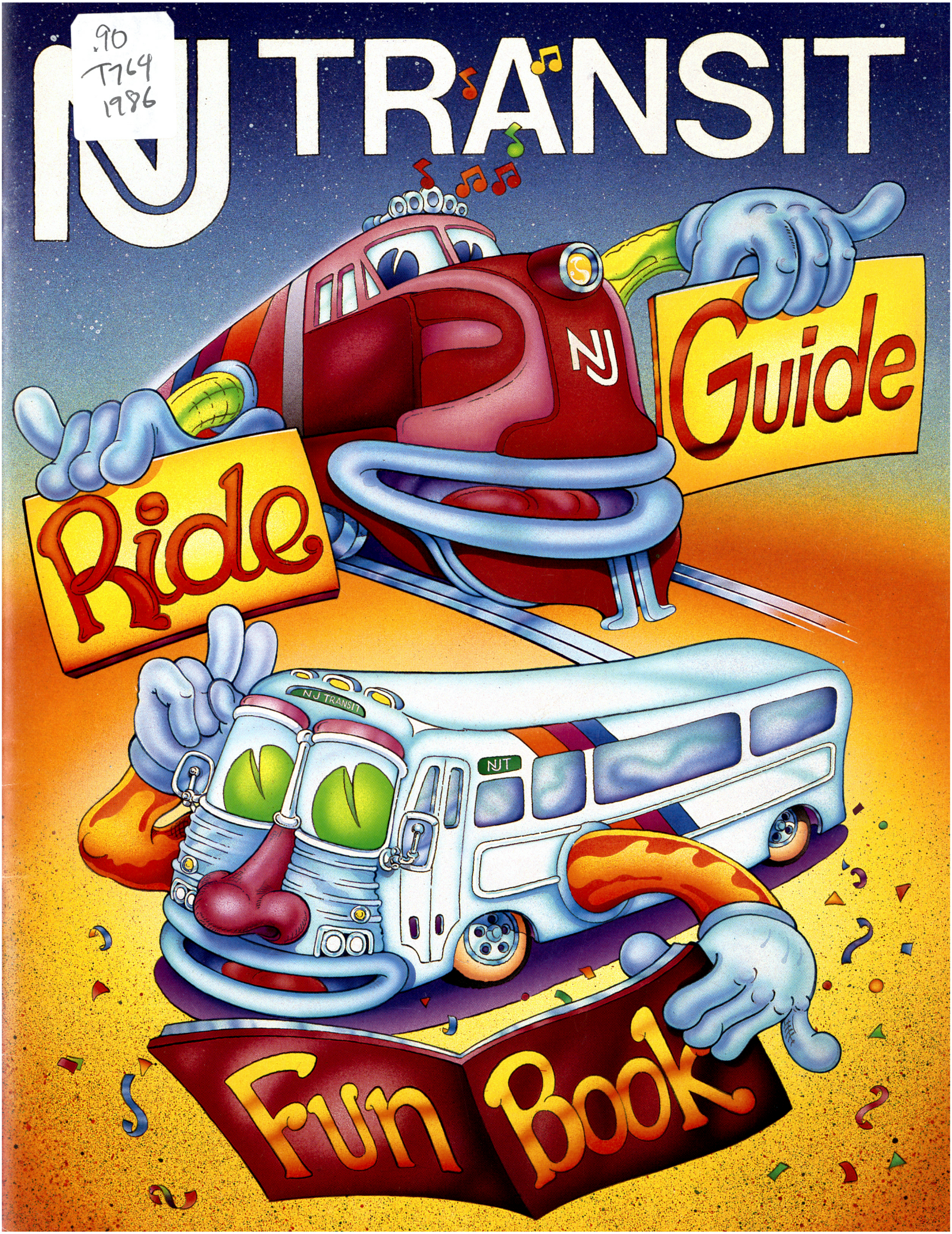
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NJ TRANSIT



This book belongs to

_____

This ride guide/fun book was developed as part of **NJ TRANSIT's Public Transit Education Program**. If you would like more information about the program or additional copies of this book, write NJ TRANSIT Corporate Communications Department, P.O. Box 10009, Newark, N.J. 07101

Credits: Mark Samuels, Designer/Illustrator **Andrij Borys, Art Direction**

INTRODUCTION

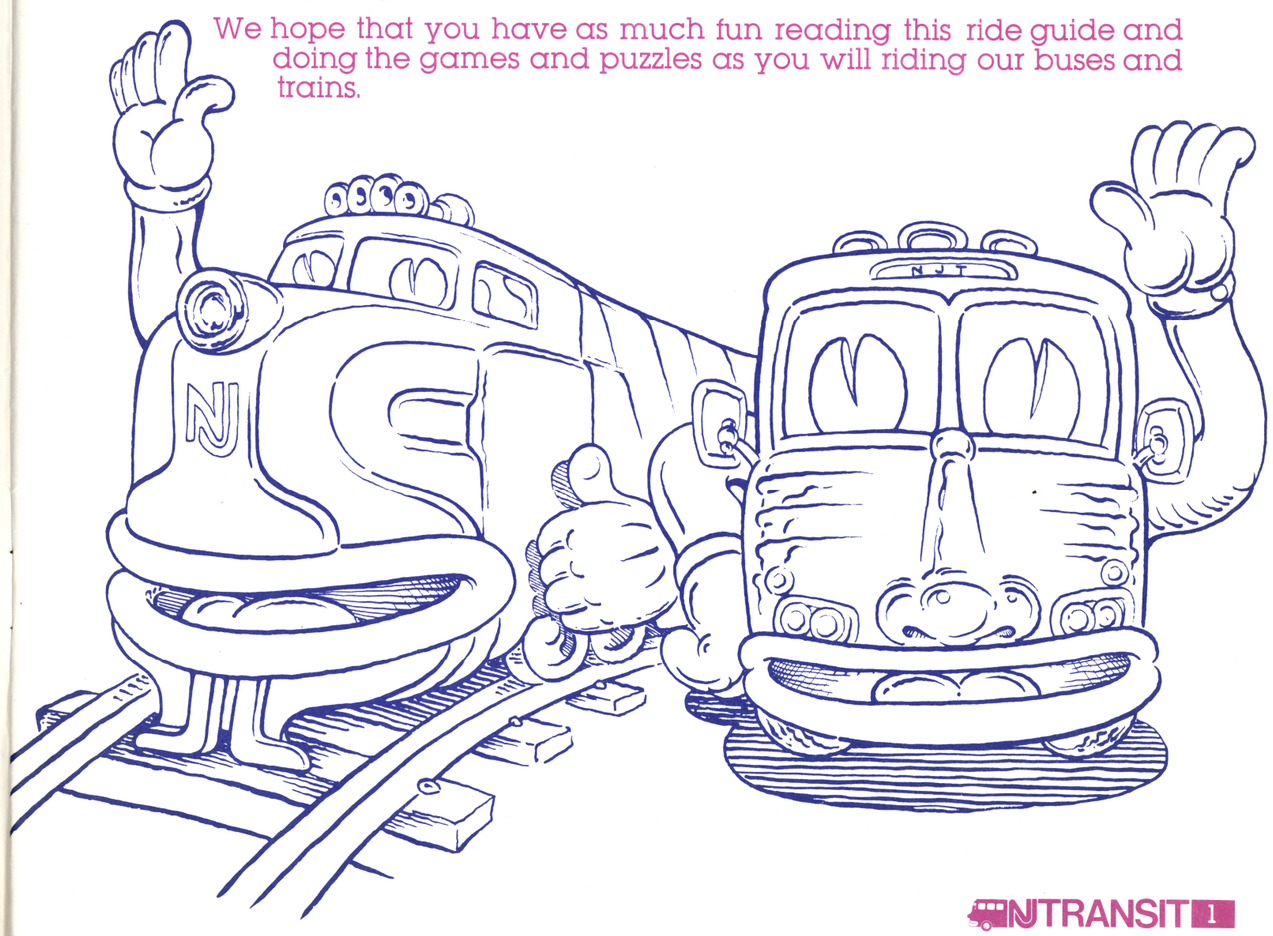
Public transportation is something that we should all know about. This workbook is for you. This booklet tells you all about New Jersey's buses and trains and it shows you how to ride them safely.

NJ TRANSIT, the statewide public transportation corporation, was formed in 1979 to make sure that the buses and trains run on time and are safe and convenient. And, did you know that New Jersey has one of the largest public transportation systems in the country?

Public transportation can take you almost anywhere you want to go. **NJ TRANSIT** buses and trains travel 101 million miles per year. That's equal to 200 trips to the moon and back. **NJ TRANSIT**'s buses and trains operate throughout the state from early in the morning to late at night.

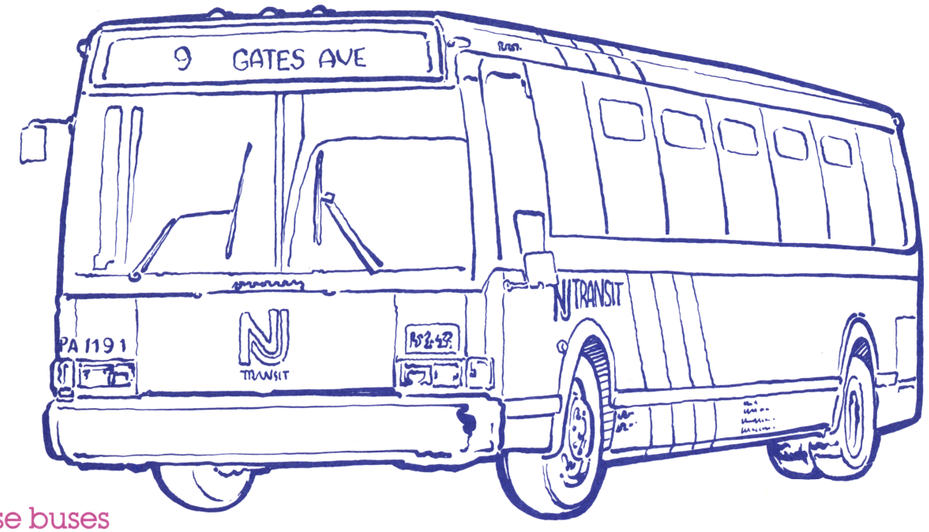
As you can see, New Jersey's system is very large. It can take your parents to work. Or, you can go to school, to the library, to your grandparents, to the movies or shopping on a bus or train.

We hope that you have as much fun reading this ride guide and doing the games and puzzles as you will riding our buses and trains.

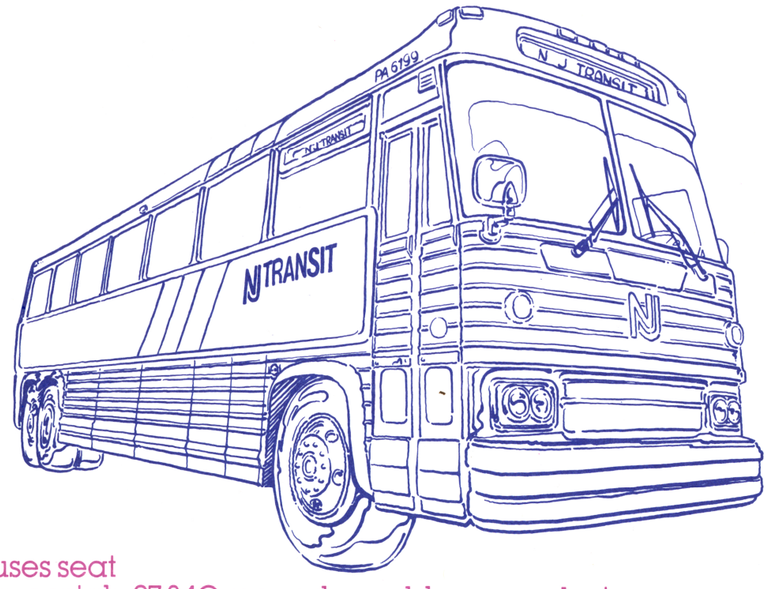


NJ TRANSIT LAND

There are several different types of buses and trains operating in New Jersey. You can color in a few of them.

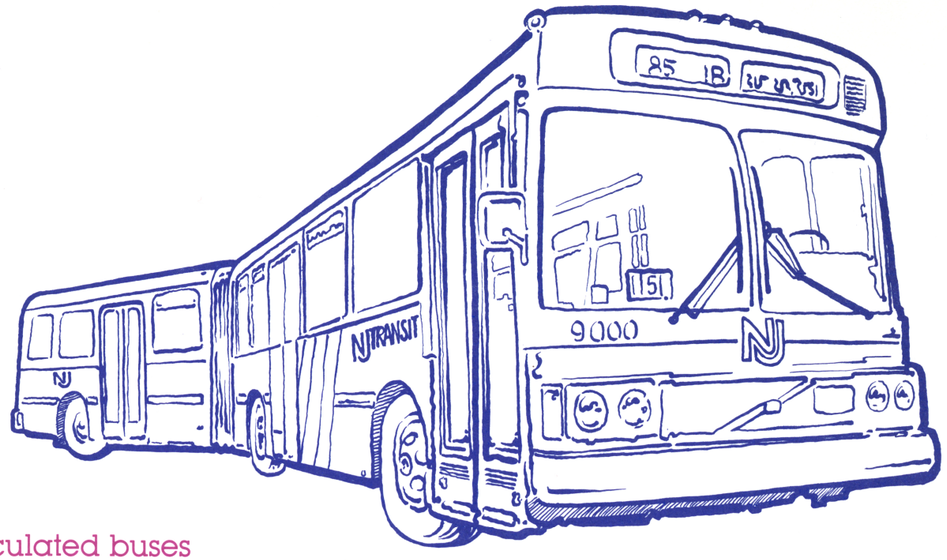


These buses
seat 47 people, weigh 26,340 pounds (that's the weight of eight cars!) and are 40 feet long. They run in cities and on local roads. The front part of the bus "kneels" to make it easier for handicapped people and senior citizens to get on the bus, and it also has a lift for the wheelchair.



These buses seat
49 people, weigh 27,840 pounds and have racks to carry packages and luggage. They run long distances (commuter routes) and take people to work in Newark, New York, Camden, Philadelphia and other large cities.

NJ TRANSIT LAND



Articulated buses
are buses that bend in the middle. They hold 66 people, weigh 36,000 pounds and are 60 feet long. The accordion-like bend in the middle makes getting around corners easier.

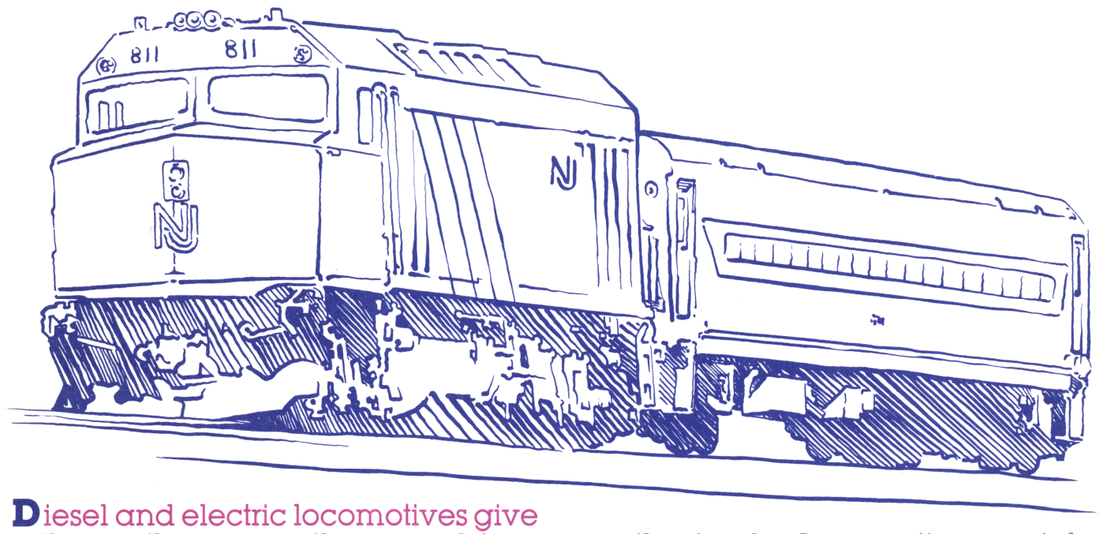


NJ TRANSIT operates
24 of these cars on the Newark City Subway, New Jersey's only trolley car system. Trolley cars are buses that travel on rail tracks. These cars are powered by electricity and seat 55 people, weigh 34,000 pounds and are 46.5 feet long.

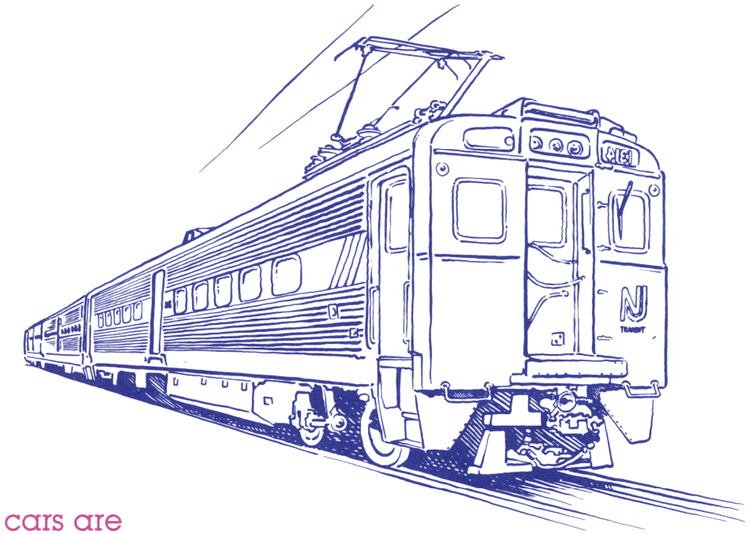
NJ TRANSIT LAND



There are two different types of trains that operate in New Jersey: locomotive powered trains and electric trains.



Diesel and electric locomotives give rail cars the power they need to run on the tracks. Locomotives weigh around 400,000 pounds (200 tons) and are about 70 feet long. **NJ TRANSIT**'s new Comet II rail cars have air conditioning, seat about 130 people and are 85 feet long. They go up to 80 miles per hour.



These rail cars are powered by overhead electric wires. The power ranges from 11,000 to 25,000 volts. They travel more than 100 miles per hour and seat 110 people.

Did you know that a 5-car diesel train can transport more than 500 passengers using only two gallons of fuel per mile?

WHO DOES WHAT



It takes plenty of teamwork to run the buses and trains. Here are some of the people who help us get around.



Human Resources Representative



Dispatcher



Police Officer



Telephone Information Operator



Train Engineer



Bus Operator



Ticket Agent



Maintenance Worker



Transit Planner

Draw a line between each member of the transit team and what you think that person does.

Human Resources Representative	1	**A**	Keeps buses and trains in good working order
Dispatcher	2	**B**	Patrols train stations and trains for protection of passengers
Police Officer	3	**C**	Decides how to meet the transit needs of the future
Telephone Information Operator	4	**D**	Sells tickets to passengers
Train Engineer	5	**E**	Drives the bus
Bus Operator	6	**F**	Hires transit workers
Ticket Agent	7	**G**	Operates the train
Maintenance Worker	8	**H**	Provides information on routes and schedules and fares to passengers
Transit Planner	9	**I**	Tells buses and trains when to leave the garages or stations

(Answers are on back page.)

TRANSIT WORDS — HERE'S WHAT THEY MEAN



HERE ARE SOME WORDS YOU SHOULD KNOW THAT WILL HELP YOU RIDE THE BUSES AND TRAINS.

PUBLIC TRANSPORTATION — A way of moving groups of people from one place to another. The three most common types are buses, trains and subways. Trolleys, cable cars and ferry boats are also forms of public transportation. Public transit and public transportation mean the same thing.

ARTICULATED BUSES — Articulated buses are buses that bend in the middle. They are longer than regular buses so more people can ride on them.

BUS OPERATOR — The person who drives the bus and collects the fares.

BUS OR TRAIN SCHEDULE — A schedule will tell you everything you need to know about riding a bus or train. There is a separate schedule for each bus route or train line. The schedule contains information on where the bus or train goes, the times they arrive and depart; and information on how to purchase bus and train tickets. A schedule is also called a timetable.

CONDUCTOR — The person who collects tickets on the train, informs riders of the train stops on the loud speakers and helps riders get on and off the train.

DESTINATION — The place where you want to go.

DEPARTURE — The place from where you leave.

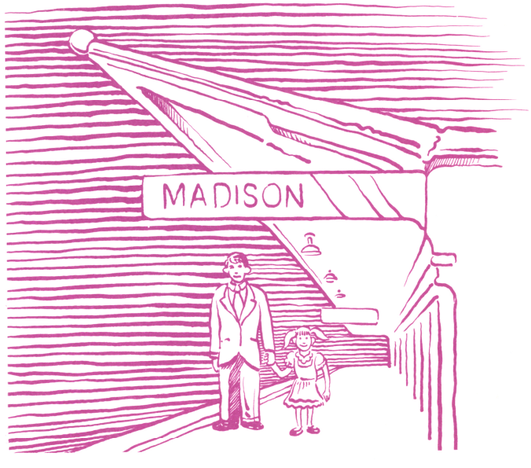
DESTINATION SIGN — This is the sign on the top of the bus that gives the route number of the bus and where the bus goes. Look at the destination sign before you get on the bus.

FARE — The amount of money it costs to ride the bus or train.



LOCOMOTIVE — Locomotives give rail cars the power they need to run on the tracks.

PLATFORM — The concrete area where you wait for the train at the rail station. There is a white or yellow line. Make sure to stand behind this line when you wait for the train.



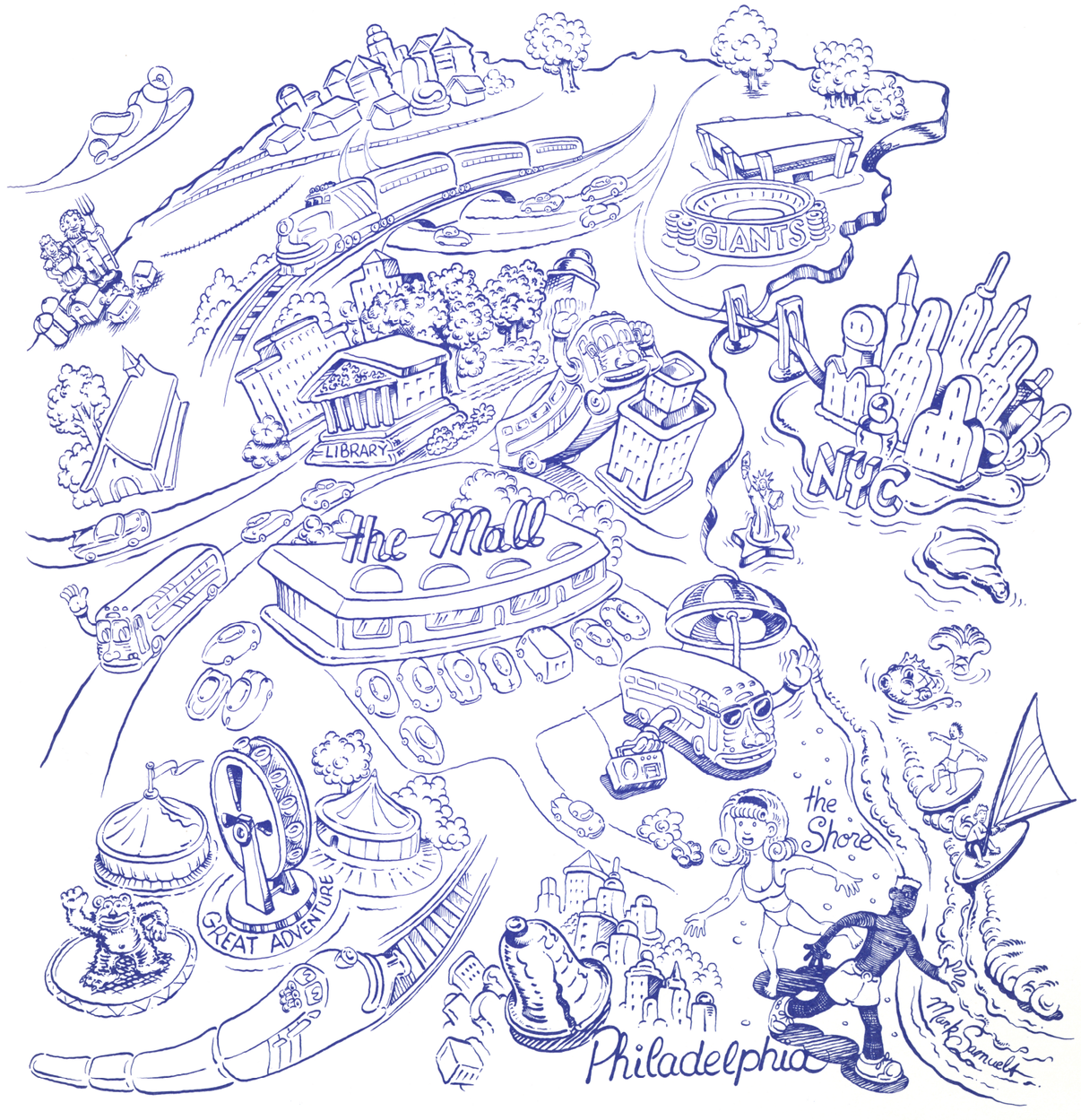
TRAIN ENGINEER — The person who operates the train.

TRANSFER — Sometimes you need to ride two buses to get to your destination. You can pay for the entire ride when you get on the first bus. The driver of the first bus will give you a piece of paper — called a TRANSFER — that you must give to the driver of the second bus.

WHAT A WAY TO GO!



Pictured here are just a few of the places you can go by riding the bus and train. See how many you can find; draw other places you can go on public transit, and have fun coloring in the page.



WANT TO RIDE THE BUS AND TRAIN?



HOW TO CALL OR WRITE FOR INFORMATION
Once you decide where you want to go, the first step is to find out how to get there by bus or train.

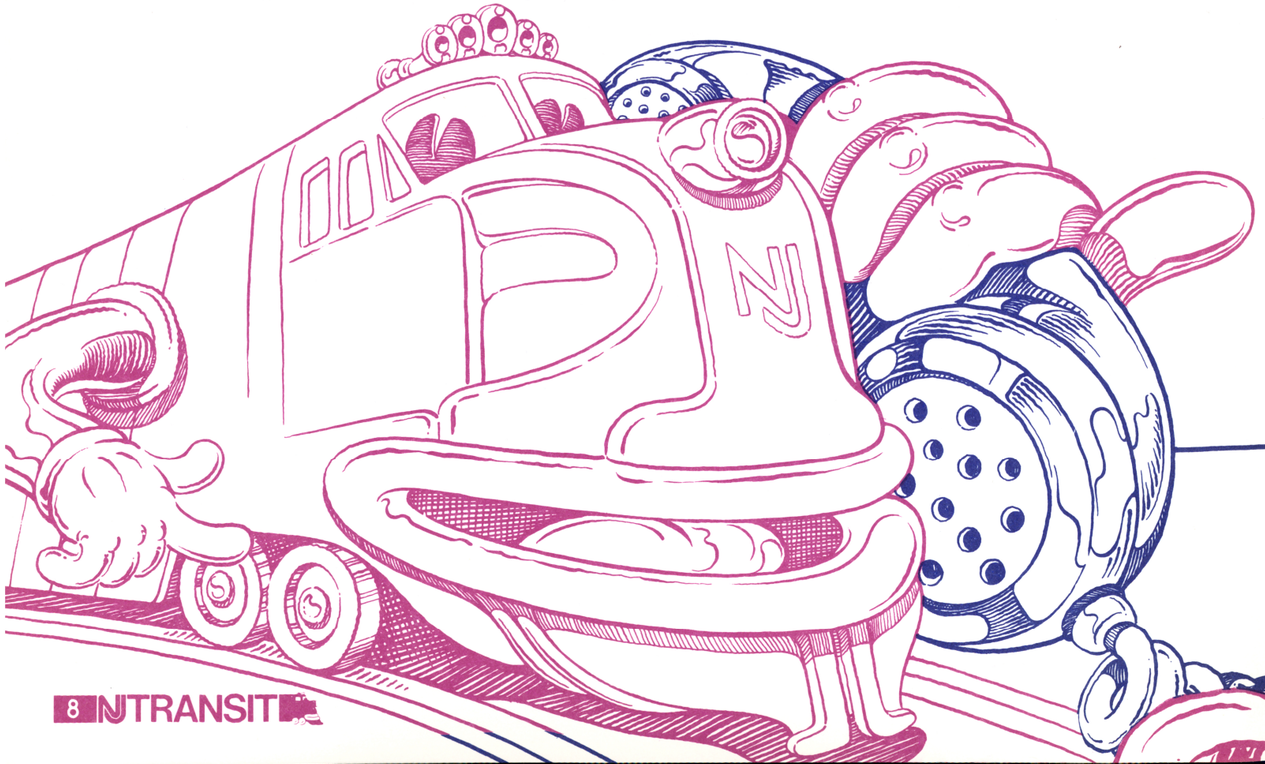
HERE'S WHAT TO DO:
Call **NJ TRANSIT**'s Information Center. The telephone center is open 365 days a year and the people who answer your calls know all about the buses and trains.

THE NUMBERS ARE:
North Jersey 1-800-772-2222
Out-of-State 1-201-762-5100
(Open 6 a.m. to midnight)

South Jersey 1-800-582-5946
Out-of-State 1-215-569-3752
(Open 6 a.m. to 10 p.m.)

When you call, make sure that you have paper and pencil ready so you can write down the information.

TELL THE NJ TRANSIT OPERATOR:
1. The street address of where you want to go (your destination).
2. The street address of where you plan to leave from (your departure point).
3. The time you want to arrive.
4. The day of travel — weekdays, Saturdays or Sundays.
5. Don't forget to ask how to get back home.



WANT TO RIDE THE BUS AND TRAIN?



HERE'S WHAT TO SAY:
I need to go from my house to the skating rink on Saturday afternoon. The skating rink is at (give the address). I live at (give your address). I need to get there by 1 o'clock in the afternoon.

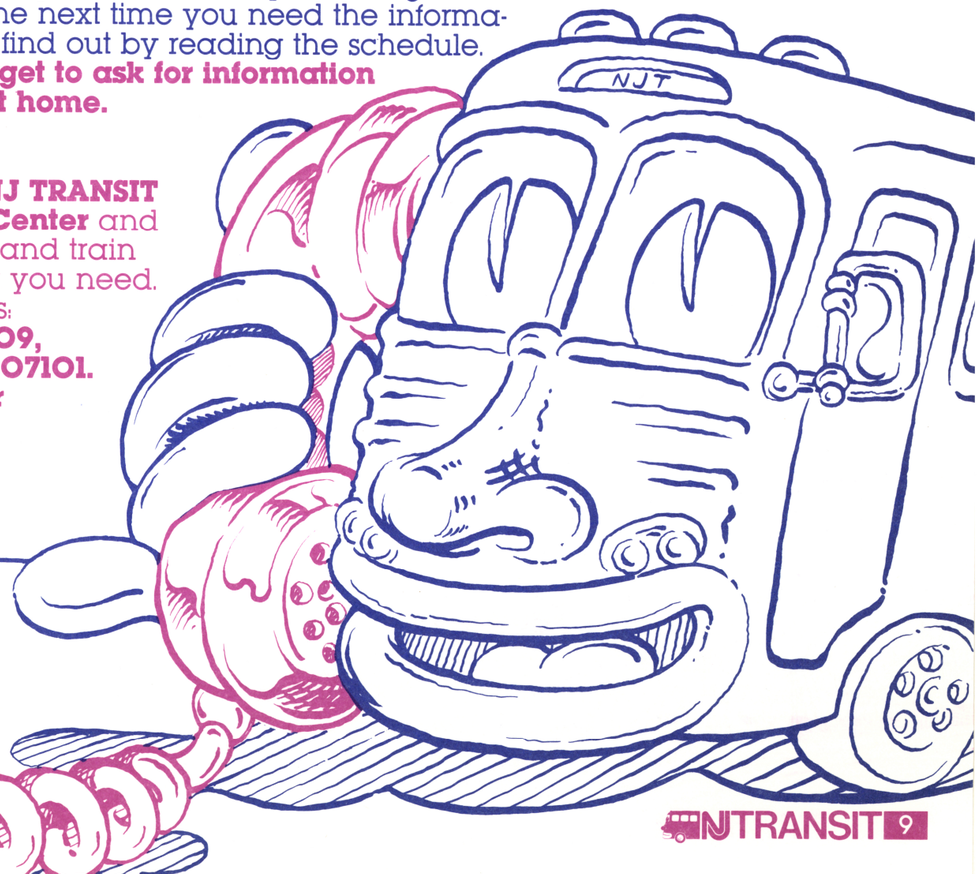
THE TELEPHONE OPERATOR WILL GIVE YOU THESE DETAILS:
— What bus or train to catch
— Where to catch the bus or train
— What time to be at the station or bus stop
— What time you will arrive there
— How much it will cost (the fare)
If **NJ TRANSIT** doesn't operate the bus or train, the operator will give you the name of the company that does and it's phone number.

HERE'S AN EXAMPLE OF WHAT HE OR SHE WILL SAY:
— Take the No. 52 bus at the corner of Main and Day Streets. The bus will be at the bus stop at 12:15 in the afternoon and you will arrive at the skating rink at 12:35. It will cost 75 cents and exact change is required.

Remember to write down all the details.

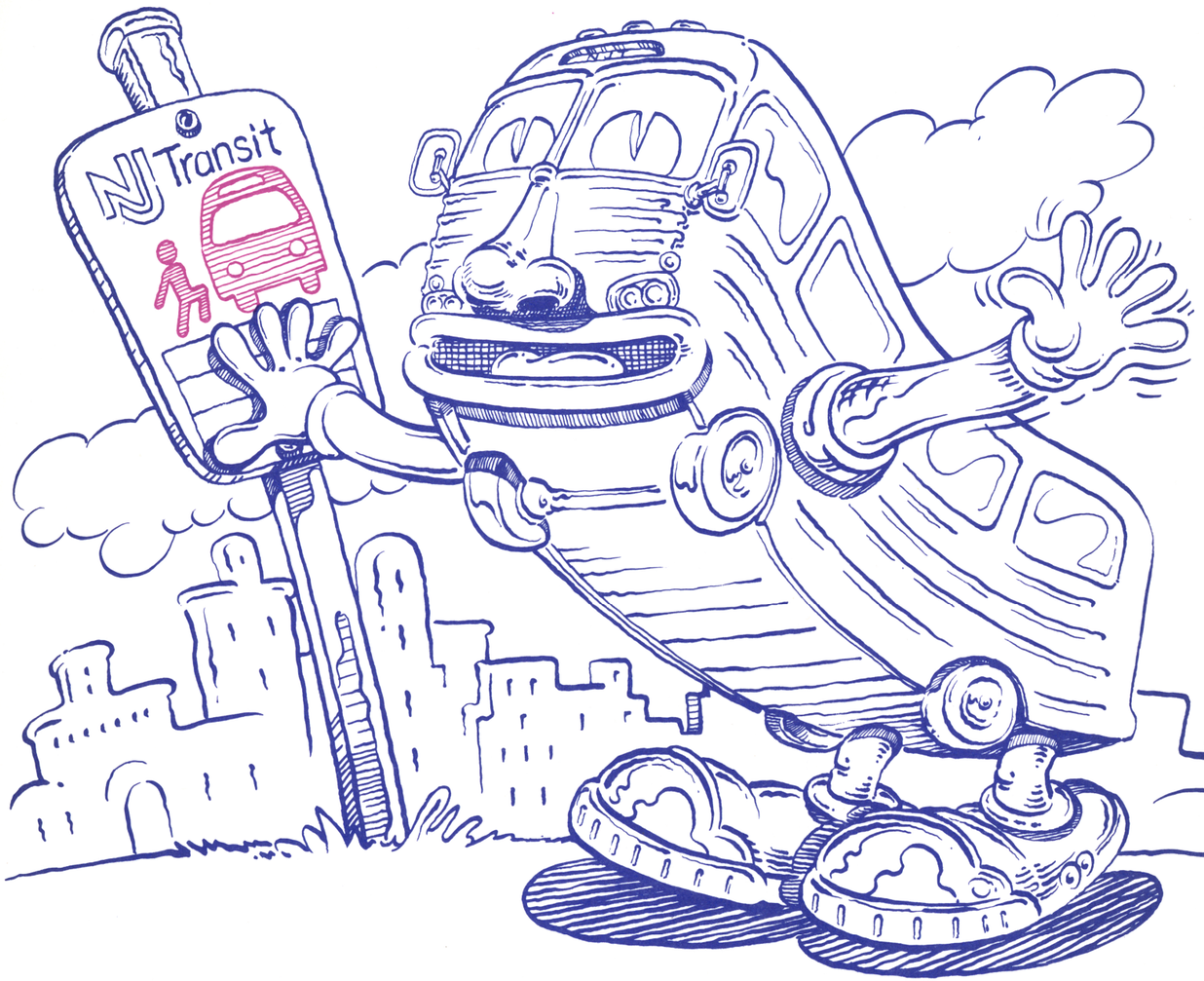
Please ask the operator to send you the right bus or train schedule so the next time you need the information, you can find out by reading the schedule.
And don't forget to ask for information on how to get home.

ACTIVITY:
Write to the **NJ TRANSIT Information Center** and ask for a bus and train schedule that you need. The address is:
P.O. Box 10009, Newark, N.J. 07101. Att. Customer Service.



HOW TO RIDE THE BUS

Once you know which bus to take and when to catch it, here's what to do:



WHEN ARRIVING AT THE BUS STOP:

- Arrive a few minutes before the bus is due to get there. Look for the special bus stop sign.
- At many of the busier stops, there are bus shelters. There are more than 1,500 throughout the state.
- If there are no bus stop signs along the route, just wait on the sidewalk near the corner and wave to the bus as it approaches so the driver knows you want to get on.
- Always stand on the sidewalk while waiting for the bus.

HOW TO RIDE THE BUS

WHEN BOARDING THE BUS:

- All buses have destination signs over the windshields that tell the bus number. Check the destination sign over the windshield to make sure it's the right bus. On newer buses, there's also a sign on the side of the bus.
- Before boarding the bus, let the people get off first. Then, watch your step boarding the bus, and don't push. The driver will wait until everyone is safely on the bus.
- Tell the driver where you are going, and he will tell you how much it will cost. Many local buses require exact change, which you put directly in the farebox. If there is no farebox, give your money to the driver.
- If you will need to ride more than one bus to get where you are going, ask the driver of the first bus for a transfer when you get on. You will need to give the transfer to the driver when you get on the second bus.

WHEN RIDING THE BUS:

- Sit back and relax.
- Remember — eating, smoking and playing loud radios and tape players are not allowed.
- Keep your hands and arms away from the window.
- Don't talk to the driver. He or she needs to pay attention to the road.
- Watch the street so you don't miss your stop. Most buses have either a signal cord above the windows or a push type buzzer strip between the windows. About a half-block before your stop, pull the cord or press the buzzer strip. It makes a sound like a doorbell and will alert the driver to stop.

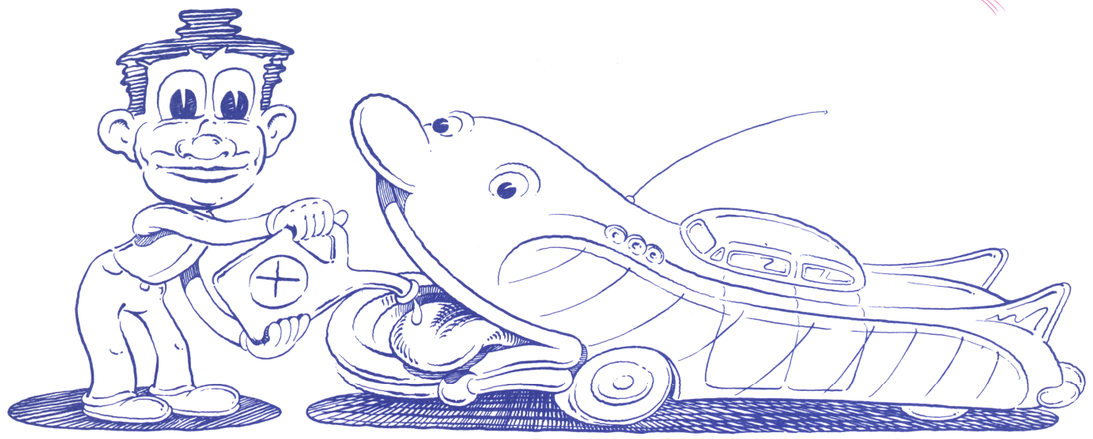


WHEN LEAVING THE BUS:

- When the bus stops, walk to the front or side door, and get off carefully.
- Never walk in front or back of the bus to cross the street. Even if the bus driver knows you are there, drivers of other cars may not see you.
- Wait for the bus to pull away before crossing the street.

Did you know that NJ TRANSIT operates more than 2,000 buses on 154 bus routes? They run on city routes, local town routes and on long distance routes which go to New York and Philadelphia.

AUTO DRIVERS ARE FUELISH



Riding a bus or train helps save gasoline, cuts down on traffic jams and reduces air pollution.

HERE'S HOW:

50 cars with one person each = one bus
500 cars with one person each = one train

For 1,000 people to go to work each day by car, 357 gallons of fuel are used. The same number of people can travel by bus using only 77 gallons of diesel fuel. By train, they use only 42 gallons of diesel fuel. That's a lot of gas saved!

How is a bus like the game of golf?

How is a train like a hurricane?

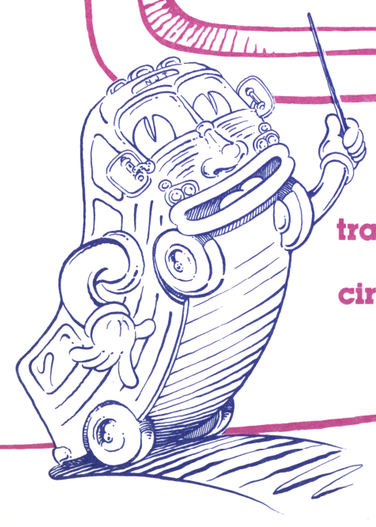
What do you call a smart bus?



(Answers on back page.)

WORD PUZZLE

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



Find these transportation words and circle them in the puzzle.

BUS	TRAIN
ENGINEER	LOCOMOTIVE
DRIVER	TRANSPORTATION
RAIL	NJ TRANSIT
TRACKS	SCHEDULE
SAFETY	STATION
ROUTE	ARTICULATED
DIESEL	RIDER

(Answers on back page.)

HOW TO RIDE THE TRAIN

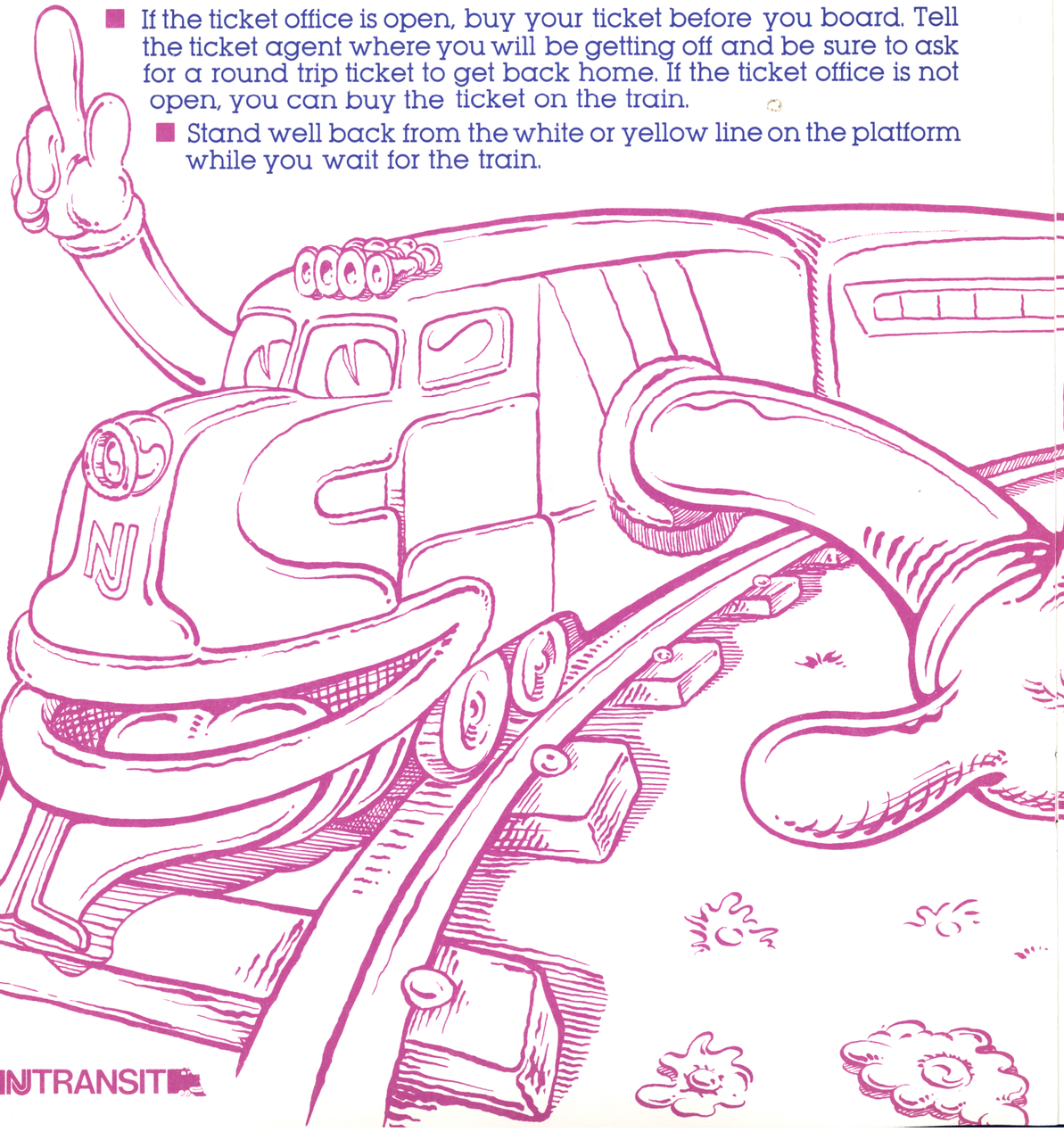


GETTING TO THE TRAIN STATION:

- **NJ TRANSIT**'s Information Operator will tell you the street location of the rail station. Many stations can be reached by bus or you walk or get a ride. There is a parking available at many stations so your family can leave the car.

WHEN ARRIVING AT THE TRAIN STATION:

- Arrive at the rail station a few minutes before the train is due.
- If the ticket office is open, buy your ticket before you board. Tell the ticket agent where you will be getting off and be sure to ask for a round trip ticket to get back home. If the ticket office is not open, you can buy the ticket on the train.
- Stand well back from the white or yellow line on the platform while you wait for the train.



HOW TO RIDE THE TRAIN



WHEN BOARDING THE TRAIN:

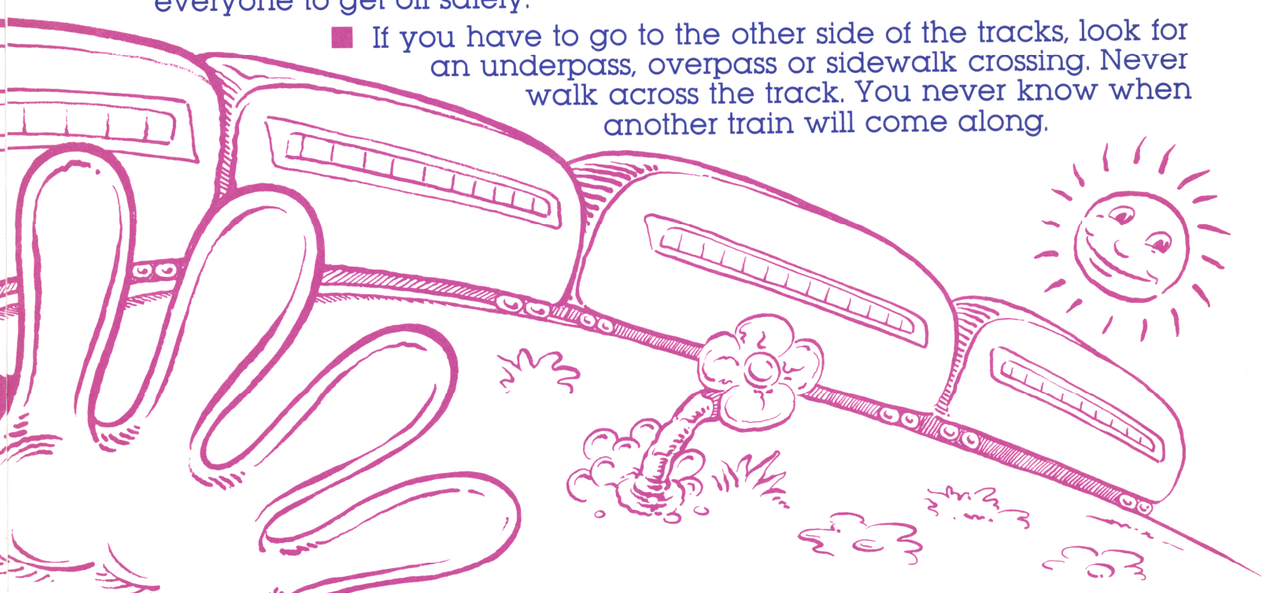
- Make sure that the train comes to a full stop before you get on.
- Step aboard carefully, and find a seat.

WHEN RIDING THE TRAIN:

- Most train trips offer interesting scenery, so look for a window seat and enjoy it.
- Have your ticket or money ready for the conductor who will come around to collect it.

WHEN LEAVING THE TRAIN:

- When your stop is announced by the conductor, stay in your seat until the train comes to a complete stop.
- Be careful getting off — and don't push. The engineer will wait for everyone to get off safely.
- If you have to go to the other side of the tracks, look for an underpass, overpass or sidewalk crossing. Never walk across the track. You never know when another train will come along.



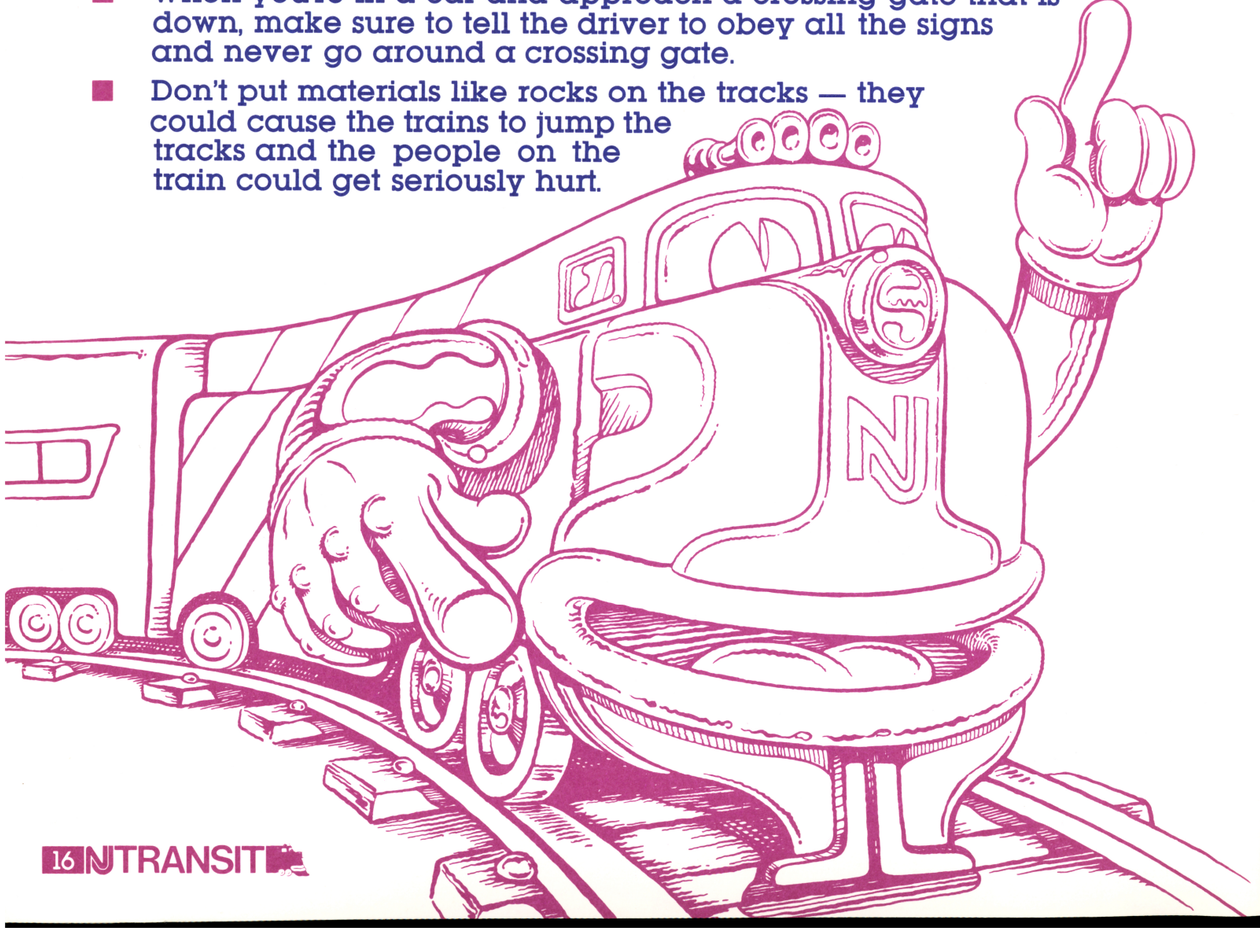
Did you know that there are over 140 companies besides NJ TRANSIT that operate buses in New Jersey? Amtrak, PATH, and PATCO also operate trains in the state.

Did you know that approximately 500 trains run on 10 NJ TRANSIT rail lines every day? The trains stop at 144 rail stations and go to and from major cities like Newark, Paterson, Hoboken, Trenton, New York and Philadelphia.

RAIL SAFETY

Play it smart — play it safe. Train tracks are for trains. Please remember and follow these safety rules.

- Walking and playing on the railroad tracks may seem like fun, but you may not hear a train and could get injured or killed. Even if the train engineer sees you on the tracks and puts the brakes on, it takes the length of 17 football fields for the train to come to a complete stop.
- Don't hop rides on moving trains. You'll hurt yourself!
- Stay away from the overhead electric wires. You can get severely burned without even actually touching them.
- Railroad bridges are for trains, not people. They are not a place to go swimming or fishing. If both you and a train are there, you'll get trapped.
- Always cross the railroad tracks at the signal crossings or at pedestrian overpasses and underpasses.
- When a crossing gate is down, a train will soon be passing. You're taking a dangerous chance if you duck under it when walking.
- When you're in a car and approach a crossing gate that is down, make sure to tell the driver to obey all the signs and never go around a crossing gate.
- Don't put materials like rocks on the tracks — they could cause the trains to jump the tracks and the people on the train could get seriously hurt.



JOIN THE CLUB!

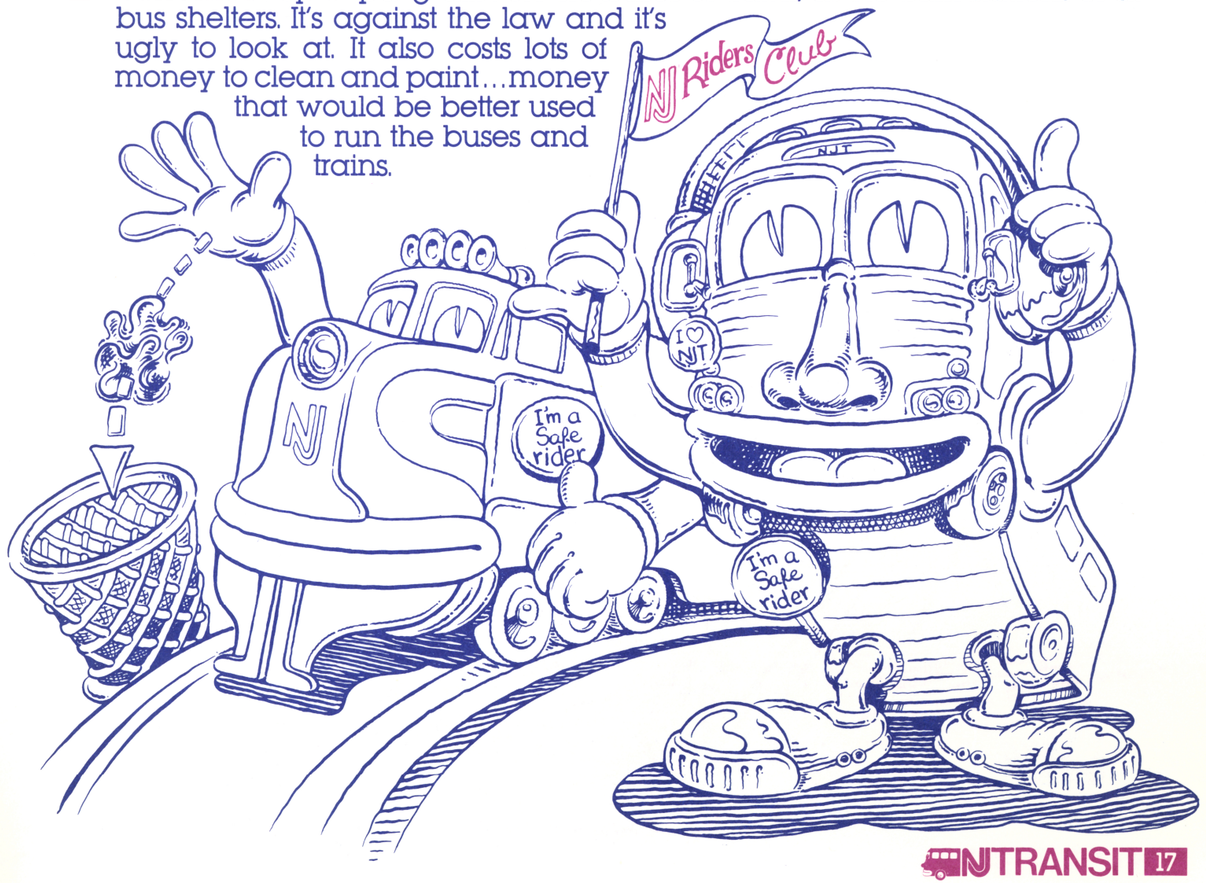
We want you to be part of **NJ TRANSIT'S RIDERS CLUB.**
Being a member means being courteous to your fellow riders on the bus or train.

HERE ARE SOME OF THE RULES:

- Be courteous and considerate to your fellow passengers.
- Give your seat to senior citizens or handicapped people.
- Use earphones with radios or tape players.

NJ TRANSIT'S BUSES AND TRAINS BELONG TO YOU. PLEASE TAKE CARE OF THEM.

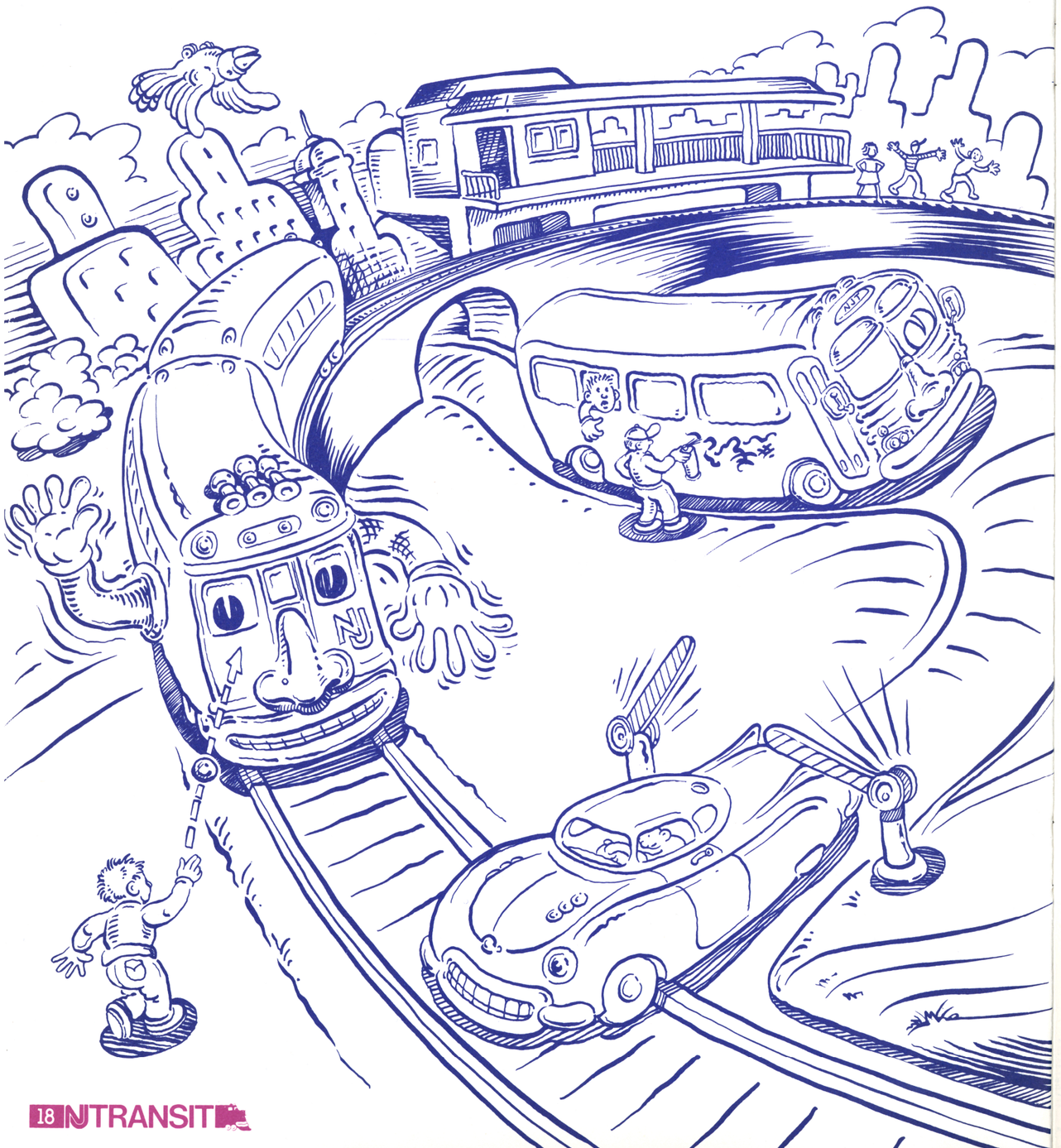
- Eating or drinking is not allowed on the buses.
- Help keep our buses and trains clean — Throw away your trash in appropriate places.
- Keep your feet off seats and seatbacks.
- Don't throw snowballs or rocks at the buses or trains. Every time there is a bus or train with a broken window, **NJ TRANSIT** has to take it out of service and everybody loses... and someone could get hurt.
- Don't mark up or put graffiti on the buses or trains, at the train stations or at bus shelters. It's against the law and it's ugly to look at. It also costs lots of money to clean and paint...money that would be better used to run the buses and trains.



WHAT'S WRONG WITH THIS PICTURE?

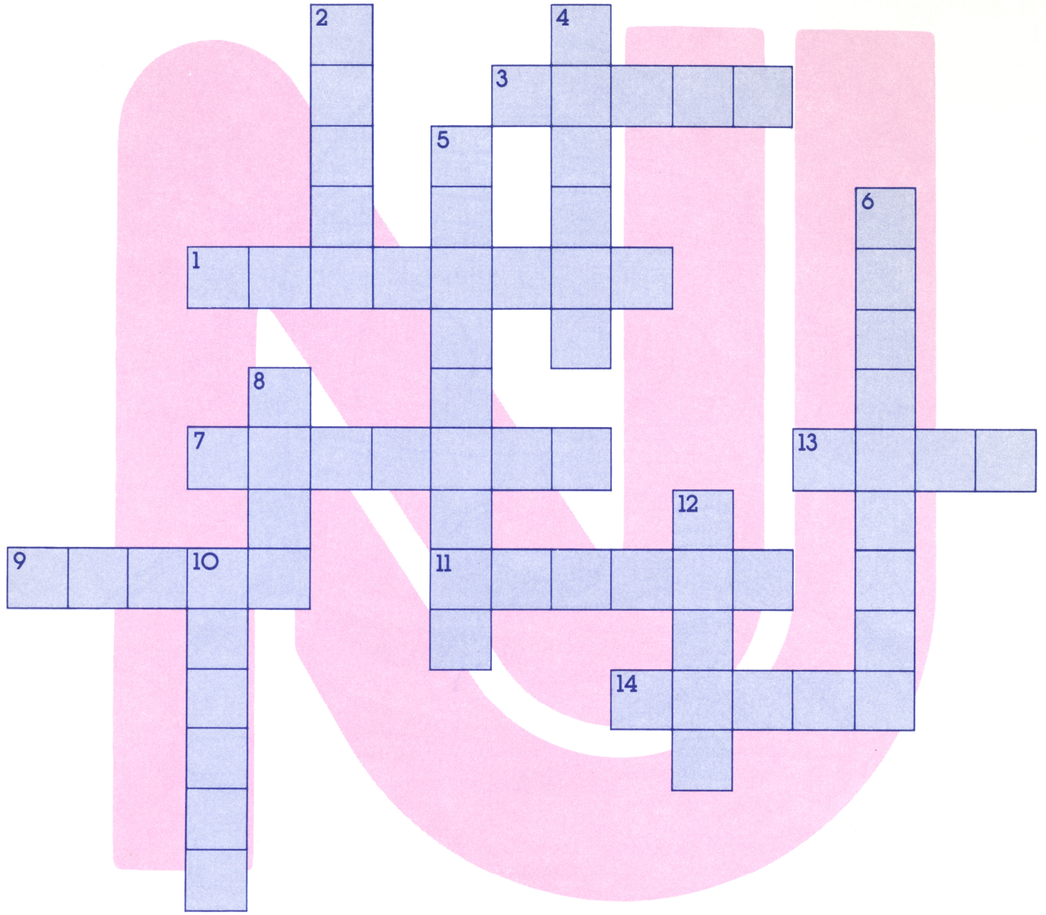


Find and circle the things that are wrong in the picture. There are 8 mistakes and many of them are safety mistakes.



CROSSWORD PUZZLE





1. Riding public transit conserves ————————.
2. When the crossing ——— are down,
3. don't ——— the railroad tracks.
4. Railroad bridges are for ———, not people.
5. What a conductor says: ——— ——— (two words).
6. Always be ———— to your fellow riders.
7. When riding, keep your hands and arms away from the ———.
8. Stand behind the yellow or white ——— on the platform when waiting for the train.
9. Buses and trains take you to the beach at the Jersey ———.
10. Bus and train ——— save fuel.
11. Earphones should be used with ———.
12. Riding public transit saves ———.
13. Wait for your bus at the bus ———.
14. An articulated bus ——— in the middle.

(Answers on back page.)

THE ANSWER PAGE

Answers to Transit Riddles from page 12.

1. They both need a driver.
2. If you get in its way, it can ruin your day.
3. A school bus.

What's Wrong With this Picture Answers from page 18.

The eight mistakes are:
Students writing graffiti on bus.
Car going through crossing gate.
Student throwing rocks.
Rider's arm and head out of bus window.
Students playing on tracks.
Upside down bird.
Bus without eye.
Car without headlight.

Answers To Who Does What from page 5.

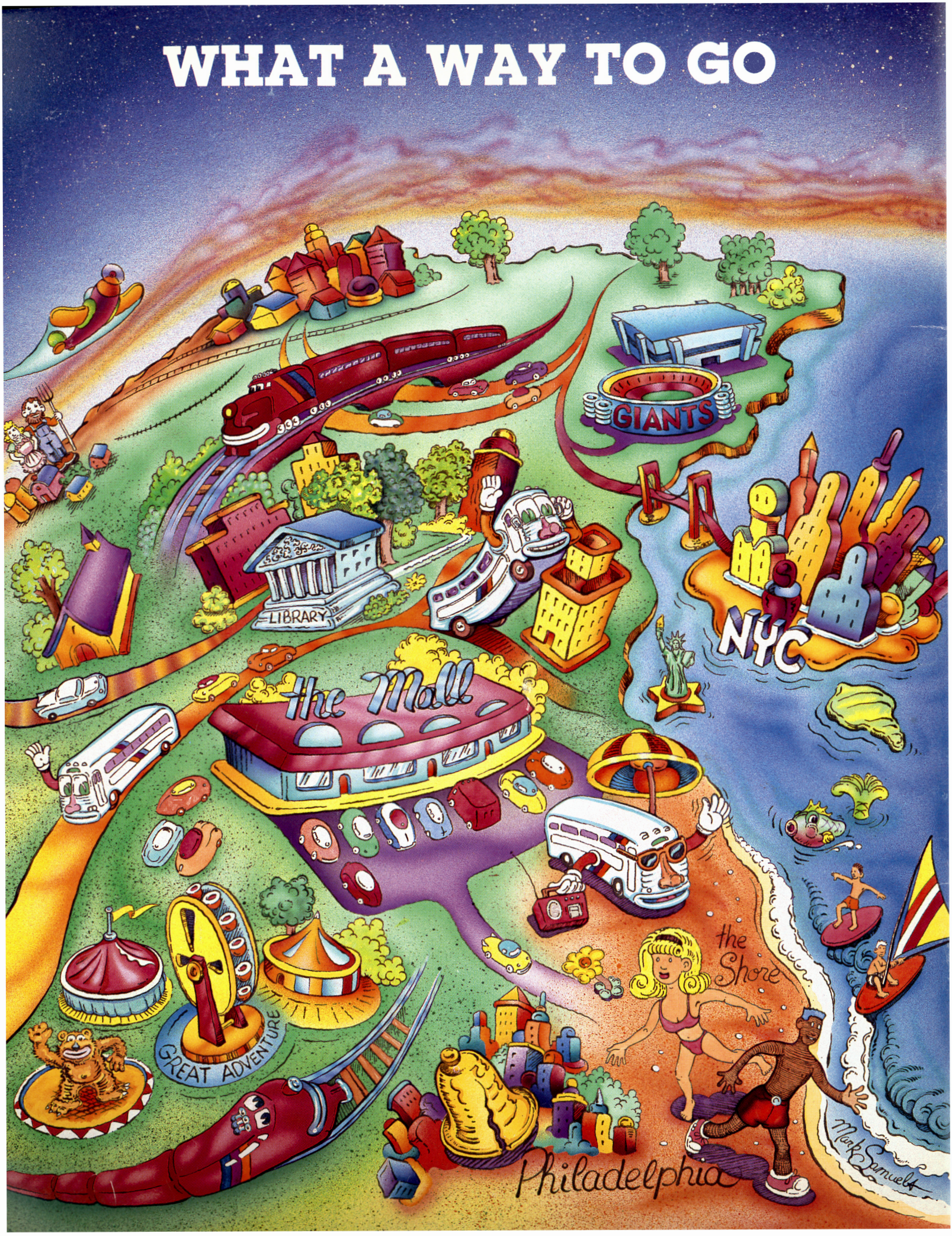
1. F	4. H	7. D	
2. I	5. G	8. A	
3. B	6. E	9. C	

Crossword Puzzle Answers from page 19.

Word Scramble Answers from page 13.

Answers to Transit Riddles from page 12.

1. They both need a driver.
2. If you get in its way, it can ruin your day.
3. A school bus.


WHAT A WAY TO GO
GIANTS
LIBRARY
The Mall
NYC
GREAT ADVENTURE
the Shore
Philadelphia
Mark Samuels