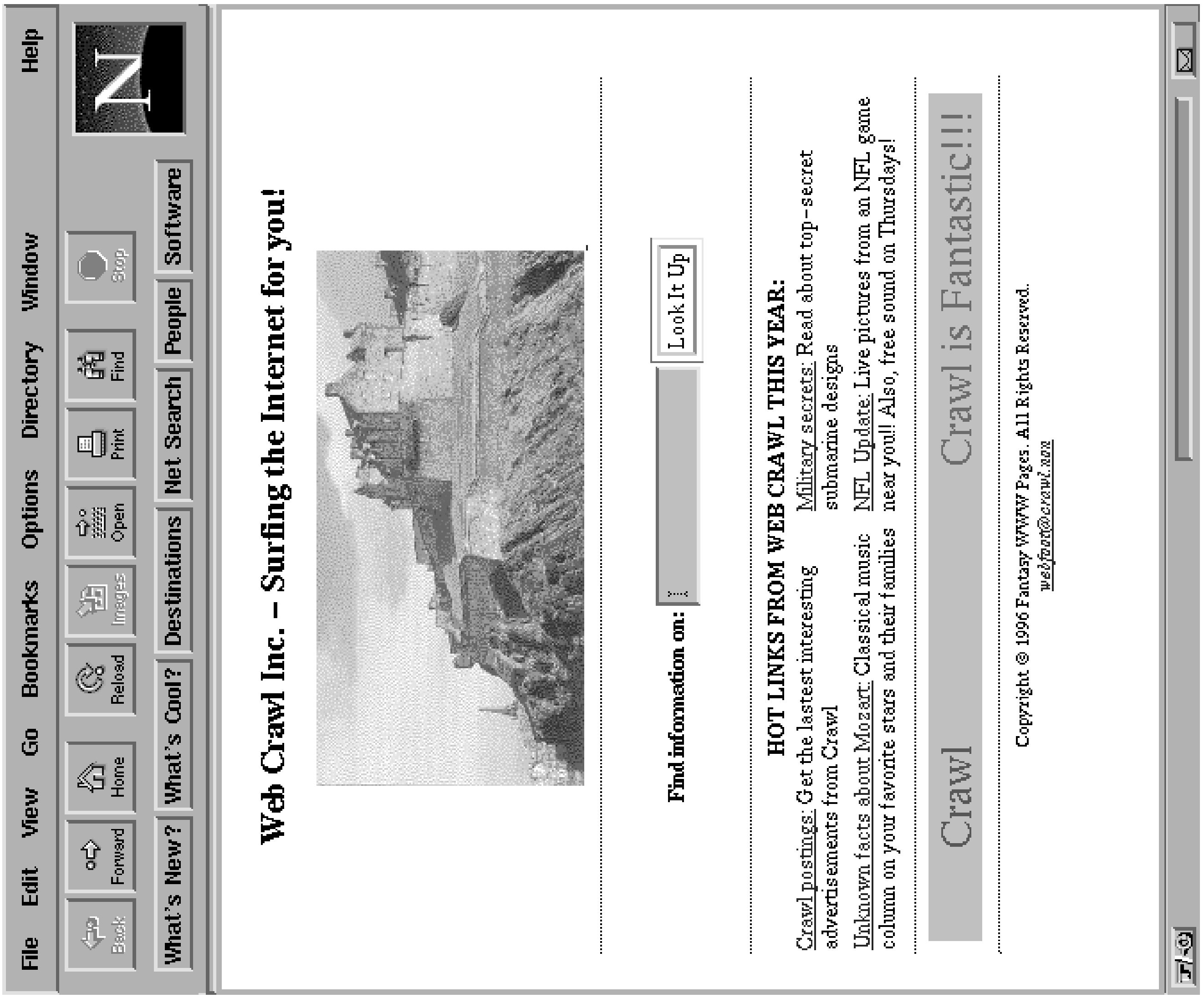
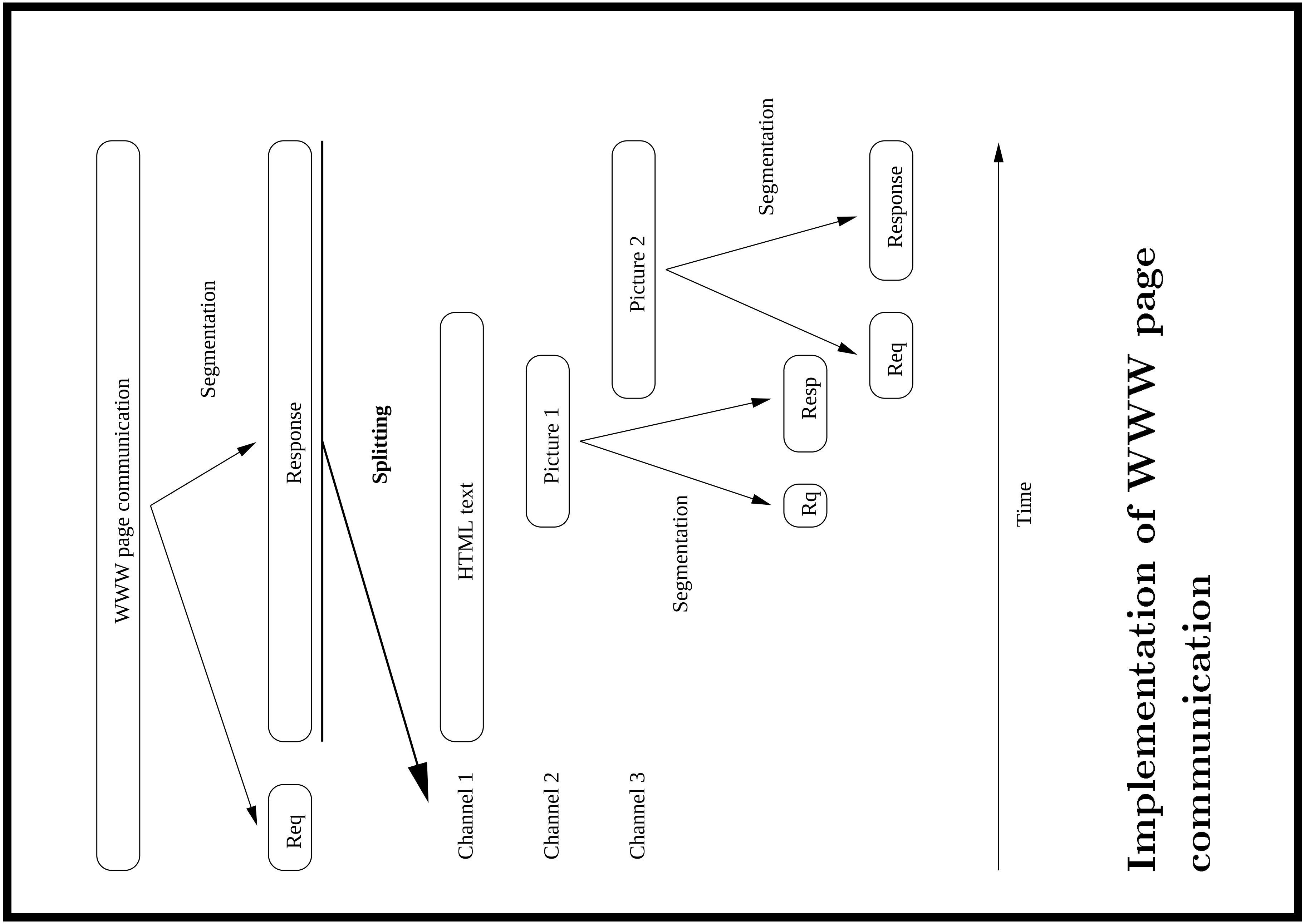


Example WWW page displayed by Netscape Navigator

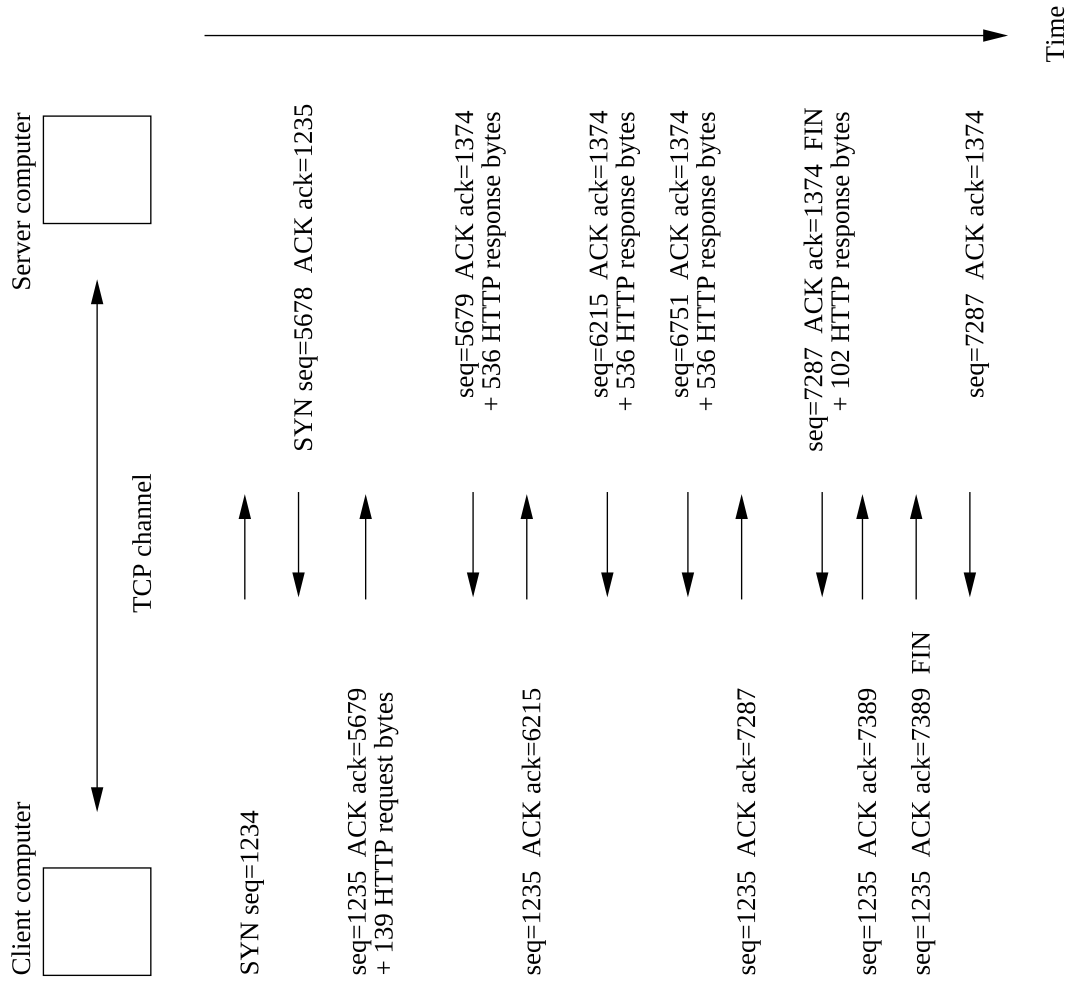

WWW page communication
Segmentation
Response
Req
Splitting
HTML text
Channel 1
Channel 2
Channel 3
Picture 1
Picture 2
Segmentation
Rq
Resp
Segmentation
Req
Response
Time
Implementation of WWW page communication

Field	Size
IP packet header	
Source port identifier	2 bytes
Destination port identifier	2 bytes
Sequence number	4 bytes
Acknowledgement number	4 bytes
Header length	4 bits
Not used	6 bits
Code bits : URG ACK PSH RST SYN FIN	6 bits
Window size	2 bytes
Checksum	2 bytes
Urgent pointer	2 bytes
Optional header extension(s)	
Information content	

TCP message format

Source IP identifier	4 bytes
Destination IP identifier	4 bytes
Zero	1 byte
Protocol number = 6 (TCP)	1 byte
TCP message length	2 bytes

TCP pseudo-header format



TCP dialogue for example HTTP handshake

Start flag = 01111110	1 byte
Address = 11111111	1 byte
Control = 00000011	1 byte
Protocol	2 bytes
Information content	
Cyclic redundancy code using CRC-16	2 bytes
Finish flag = 01111110	1 byte

Format of PPP message

Protocol = **11000000 00100001**	2 bytes
Code	1 byte
Identifier	1 byte
Length	2 bytes
Option 1 type	1 byte
Option 1 length	1 byte
Option 1 information	
Option 2 type	1 byte
Option 2 length	1 byte
Option 2 information	

Example LCP request message with two options

Format of SIP level 3 message

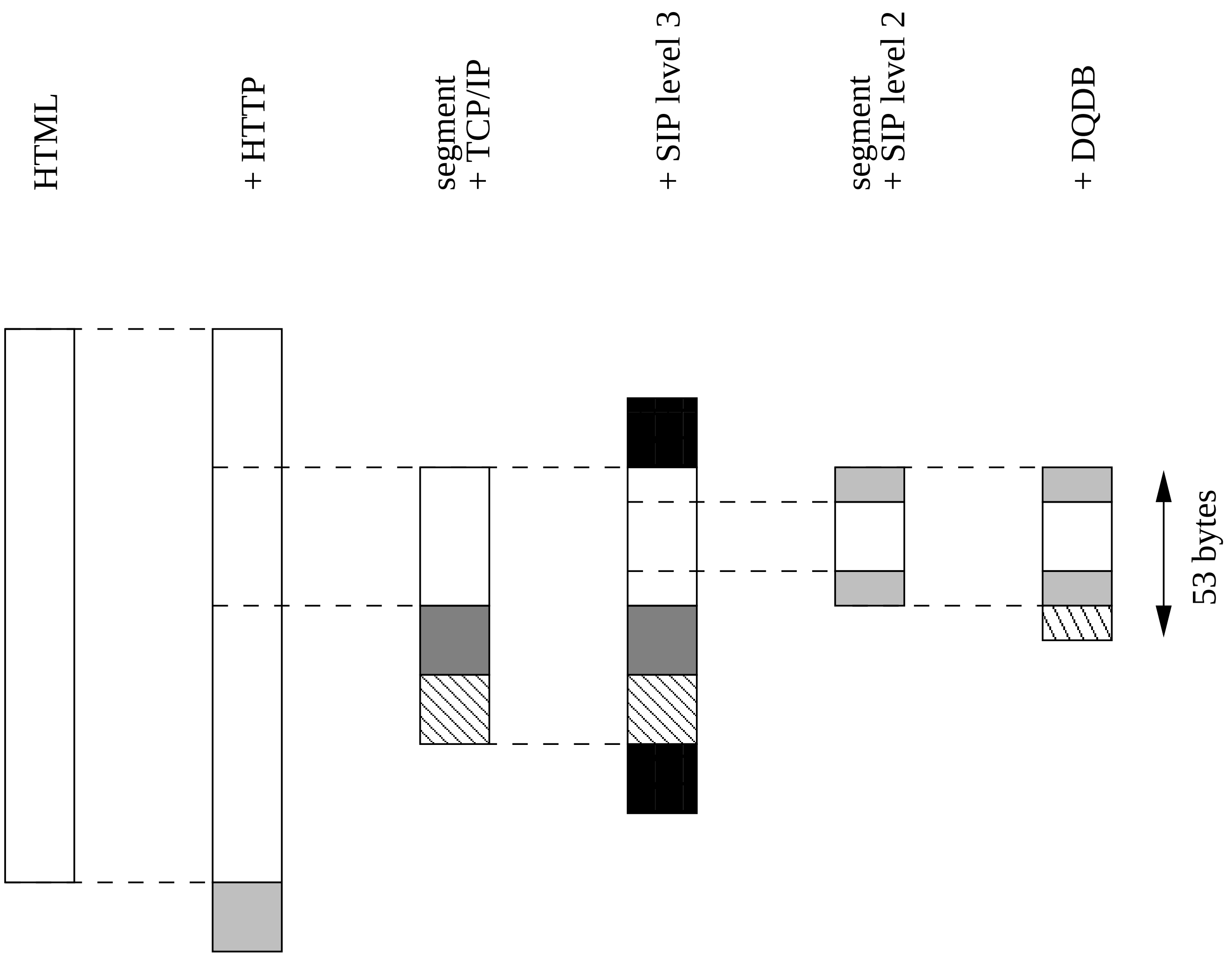
Field	Size
Reserved	1 byte
Sequence number	1 byte
Message length	2 bytes
Destination identifier	8 bytes
Source identifier	8 bytes
Other sub-fields	4 bytes
Optional header extension	0 to 20 bytes
Information content	
Padding	0 to 3 bytes
Cyclic redundancy code	0 or 4 bytes
Reserved	1 byte
Sequence number	1 byte
Message length	2 bytes

Message type	2 bits
Sequence number	4 bits
Message identifier	10 bits
Information content	44 bytes
Information length	6 bits
Cyclic redundancy code	10 bits

Format of SIP level 2 message

LLC destination identifier = 170	1 byte
LLC source identifier = 170	1 byte
LLC control = **00000011**	1 byte
SNAP identifier = 0	3 bytes
SNAP EtherType = 2048	2 bytes
Information content	

Format of LLC1 plus SNAP message



Fragment of WWW page in a 53-byte message