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Session 5 INST 346

THE LAKELAND EVENING TELEGRAM

PUBLISHED IN THE BEST TOWN IN THE BEST PART OF THE BES T STATE

BO OST-REMEMBER THAT SATAN STAYED IN HEAVEN UNTIL HE BEGAN TO KNOCK HIS HOME TOWN

OLUME VI



(By Associated Press.) London, Feb. 1 .- Owing to the reak between the Bolsheviki govrnment and Rumania, the revolu. on committees of the Black Sea eet resolved to confiscate means of ansportation belonging to Ruania, according to an Exchange elegraph dispatch from Petrograd. bout forty steamships and several arships were seized in Black Sea arbors

(By Associated Press.) London, Feb. 1 .- The latest teleram from Berlin reports the situaion unchanged, says an Exchange relegraph dispatch. The strike has Davis Inaugurated ot been extended. The Berliner ageblatt reports troops seized the rad, Union building in Berlin, and rrested Deputy Koersten and her landare



FIVE ENTENTE

WARSHIPS REACH

VLADIVOSTOK:

(By Associated Press.)

FAILED (By Associated Press.) Rome, Feb. 1 .- Austrians attacked on the Asiago Plateau yesterday in an attempt to drive the Italians from their newly-won position in Monte di Val Bella, the war office announced. The enemy, however, was unable ito feach 'the Italian line. The Italians by a sudden attack at

ON EACH FOOT A TEST

sector.

At Over Eight

(By Associated Press.)

Washington, Feb. 1 .- The live-

stock in the United States Jan. 1

was valued at more than eight bil-

lion two hundred thousand dollars,

the Department of Agriculture an-

nounced. This was an increase of

more than a billion and a half over

Governor Of

a year ago.

Billion Dollars

ON ITALIANS

AUSTRIAN ATTACK

London. Feb. 1 .- Five more endawn yesterday advanced their lines tente warships have arrived at far ahead of Teleago valley in this Vladivostok, according to special dis_ patches from Petrograd. It is added that China. acting on Allied advices, has forbidden the exportation of foodstuffs to Russia. It is reported in

OF GOOD HEALTH Moscow that the Turks proposed a separate peace to the Trans-Cauca-(By Associated Press.) sian Council of Workmen's and Sol-London, Feb. 1 .--- If you can hop 20 diers' Delegates

times on each foot without showing signs of undue distress, the British hop twenty times on each foot, rais. army considers your health good ing the other foot nine inches. At enough for general service. accord- the end of this performance, in good ing to a new book of instructions is. health there should be no noteworthy sued to the examining medical breathlessness and no pallor or anboards. The test recommended is as xiety of expression. Two minutes lafoilows: ter the pulse should be not more

"The rate of the pulse is taken, than five beats more frequent than and then the recruit is directed to it was before the exercise.

Attempt Made Again On Life Of Lenine Was Unsuccessful Gambling Dens

(By Associated Press.) student's uniform entered Smolny esiminal court reduced the hand to

The first bond was imposed by Jus-London, Feb. 1 .--- Another unsuc. tic, of the Peace Combs, before cessful attempt was made on the life whom Walters was arraigned on a of Premier Lenine last night, ac- charge of obtaining money under cording to the Petrograd correspond- false pretenses and fraud. Later in Virginia Today ent to the Daily News. A young man the day Judge Saders of the county

U. S. NAVAL RESERVE FORCES NUMBERS 69.000 MEN AND 7,800 OFFICERS (By Associated Press.)

TO SEND FOOD Annapolis, Feb. 1 .- The United States naval reserve force, now embracing 69,000 men and 7,800 officers, is larger than the regular navy when was was declared and is three times as large as in the Spanish-American war. Secretary Daniels declared today, addressing a special graduation class of three hundred reserve officers at the Naval Acad-



emy.

(By Associated Press.) Washington, Feb. 1.-President Wilson subpoenaed to the White House a dozen Republican and Dem. create a super war council and a director of munitions.

Frequented By Rich Women To Be Investigated that

(Dy Associated Dross)

No. 78

CZERNIN ASSURES PRESIDENT OF SINCERITY OF AUSTRIA

By Associated Press.)

London, Feb. 1 .- It is known posttively, according to a Berne dispatch to the Daily Mail that Count Czernin sent numerous messages through private intermediarles to Fresident Wilson assuring him of the sincerity of the Austrian govern-

THEODORE N. VAIL IS ON HIS WAY TO MIAMI

Miami. Feb. 1 .- Theodore N. Vail. ocratic senators, and reiterated his president of the American Telegraph opposition to the pending bills to and Telephone Company, is on his way to Miami, making the trip down the inside route on board his palatial yacht, the Gadfly. The party left " Daytona the latter part of last week but were delayed in the trip when the yacht struck a bar about three miles above Gifford.

> In expectation of his arrival in Fort Pierce, special telephone wires were laid along the dock in order the distinguished financier might be put in touch with the outside world.



THEATRE-ROYAL, DRUNY-LANE.

THIS EVENING. MONDAY, February 24 their Majestica' Servants will perform the Tragedy of KING RICHARD THE THERD.

Barton Heart, Mc. Poper, Dake of Globber, Mr. Keso ; Backingham, Mr. Holpand ; Bichampail; Mr. Haes Land Sunlty, Mr. Pozelli, Redeliffe, Afr. Kest ; Tressl, Mr. Ralark, Gaten, Mrs. Globier ; Lady Amar, Mis Boyre ;

Judices of York, Am. Bereina, After which (ditation) a New Melo desma, in two sets, called FHE TURRET CLOCK.

Bie Mosiel by Mr. G. Laura. Beinright Characters by Br. Ganic, Mr. R. Pinlipa, Mr. Panly, M. Marley, Mr. Powerll, Mr. Outberry, Mr. T. P. Corke, Mr. Smith, Missi, Mr. Berg, Min Tidawell-

Conte, Mir. Gantup, mar., Jaura, Jaura, Jenes, Ferra, Anina Auguran, and Mar. Mahap. 31 Broker, 7a., 5 Second Price, 3a., 8d. – Pit., 3a. 6d.; Second Price, 2a. – Luver Gallery, 3a.; Second Price, 1a. – Upper Gallery, 1a.; Second Price, 3d.; Bucco and Prices to be States int Mr. Spring, Rotenday,

Buses and Places to be then ut Mr. Spring, Rotenday, Dedges stores, from Test HL Gour, and of vhom may be set a printer Bax nightly. The rise Mitch Drans of The Torrei Cock, with the re-path of store in the Annual Star Stores (South Stores), The Mitch Stores), the Monadhures' Octavion, Mr. Kasa, Ou Theriday, will be produced, for the first time, with me Machiner, Deress, and Decarisions, a Gould Togic. Prov. with Basis, in these sets, to be called The first efficie of Ayola Grandel entries upon the Posme of Lud Byron). Miss Smitheon with Ju. A few days, make her third appear-mers on the Turales, as Eller, in The Palato Clud Byron. and at this Theatre, and the work, make not thin appear, and at this Theatre, and Ellen, in The Fails of Clyde. Dur, notice will be given of the next performance of the Tale of Myslery, and The Children in the Word.

TUBATEE.ROYAL, COVENT.GARDEN.

TENHIS EVENING, MONDAY, February 2, will be acted, the Play of

THE POINT OF HONOUR.

Chreatiartiest Franc, Mr. Young; Valcaur, Mr. Abbott; Durand, Mr.C. Kenhide; Steinburg, Mr. Bisnehard: Mra. Mellort, Mrs. Fancit; Berika, Miss O'Neill,

After which, the Barlesque Tragic Opera of BOMBASTES FURIOSO.

Artaxominum, King of Utopia, Mr. Blanchard ; Pushos, Minister of Sinte, Mr. Taylor ; General Bombasses (with the nir, " Hope told a fixturing tale"), Mr. Liston. Die taffins, Mrs. Liston.

To which will be added (32d time), a new Pastomine, called HARLEQUIN GULLIVER :

HARLEQUIN GULLIVER; OR, THE FUNNG ISLAN, Gulliver (afterstade, Hairlegnin), Mr. Sulogna; the King of Laputa (afterstande, Funishions), Mr. Sulogna; Gudonilisimus, Lard Claudifler of Laputa (offerstande Genes), Mr. Gulandif, "The Viraces Rhumboldight (after-ments for the Boxes to Denket." Prove for the Boxes to Denket." Mr. Brandon, at the Comment extrant form (Thendil Rues)

But Office, Hart-street, from Ten till Fuar. A Private Box may be had for the Season, or Nightly, of

Mr. Betwhen, at the Box Office.

The new Grand Pantominet, called Harlequis Gulliver, or. The Flying Island, will be repeated every Evening.

b. the crying Januard, will be replated servy Evraing. To actrony, Artaserrest, affect while be produced a new Metho Drams, with new Science and Decorations, called The Interface Traveller, or, The Pergres of Kauzel. On Thursday will be produced, the new Tragedy of Fases. Biorex (first traue), Mire O'Neill.

On Starday, Gay Mannering; or, The Gipsi's Prophery. A net Came Opera, which file been foog to preparation, will be presented to morrow week.

MR. HONE'S	SUSSCRIPTION.
Ald. Goodbehere Js. Hurr	williams - Wm. Williams -
Rold, Wardbmin Samuel]	Srooks 1
BOBERT WALL	HMAN, Treasurer,
Further Sabara	intiona received :
£ 1.	
Sir J Throckmurton 10 0	T. Plowman, Brothe
Samuel Shure, Mus	Personage . 1 (
brook, Derbyshire 21 p	No. 19, a few Friends 1 (
John Berkeley Monick 10 0	T. Cooke, jun. Shreau
James Robert West 10 0	bury - I (
Ed. Long Fox, as a	James Fosbury 1
much Offering to	" No !" (Forte) " For
the shrine of Li-	delicacy's sake for-
berty and Sustice 5 0	bear" (Piano) 1 (
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mingham (tal 300-	Wakeheld . 1 (
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a low Pricing of Dun-	W. Attichely Peters-
Land Brown they	I neith - I I
Court Daton, 1940	PERSONAL PROPERTY AND INCOME.

1 1

MR. WEST'S EXAISITION. THE CREAT PICTURE, DEATH ON THE PALE BORSE, CHRIST REJECTED, ST. PETERS FIRST SERMON, MIRINGEN PICTUREs and SETURED And other SCRIPTURA SUBJECTS, are non Exhibitility analysis inter Scherpford, SUBSECTS, are non Exhibitility analysis internetiate Paratises of his Royal Highness the PRINCE REGENT, at No 326, Pall-Mail, test Carlfon-House, crity day from Ten till dusk.

CHARLES SMART, Secretary. This day is published, in One Valopac 12mo, price 6a. in

SUBMISSION EXEMPLIFIED; or, The Aniable Stranger : n.Narrative, Printed for T. Cadell and W. Durice, Strandy, Black and Co. Leadenhalt street; and J. Hairbard, Piccatilly

The day is published, bunksmely printed, in two volumets fro. embellished with Portugate, price 32 fr. to pured, the Third Edition, of THE LIVES of Dr. JOHN DONNE.

MIL LIVES OF DR. BURNARD HOUSER. Nr. GEORTIS HERBERT and Dratesperson and Statesperson and by ISAAC WALTON. With Notes, and The Life of the

By THOMAS ZOUCH, D.D. F.L.S. " These were bouoarable men in their generations."

Eccies 44.7. Printed for Payne and Fuse, and J. Mawman, London ;

and for Wilson and Sous, York. Of whom may be had, ZOUCH's MEMORES of Sir PHILIP SIDNEY, 410. Second Edition. Price TL 5s. boards.

This day is published, THE, 26th Number, once 16. of THE MONTHLY GAZETTE OF HEALTH; or Popular Medical Dieteric and Philosophical Journals, everyloing the peculiar Case of the Fortunate Youth; biographical Sketch of Dr. Lambe, with Remarks on his System of Medicine and of Dr. Lamos, whit feemanes on hor system of Areactere and Dirit, a simple and nucceosiful Mule of treeSning Contracted Joints, an Accenat of Backer and Suna; tabizaninal Bandage for relaxation and debility of Bawels, Rubatas, Computerey, Acc.; Hardre Invention for property key, Russian Case Ser, Harviv's Invention for proquing key Russian Casie for taxping the externities warm in a carriage, and heating the sir of chambers ; maputant Diskiverios for clearing the Skin, and forcuning Strocklas, Disarders of the Stanack and Liver, herviour Head-ach, Rearbour, Hauticas, Cossong, the Conference, Dropy, Russies, and Bergan Caston Conference, Dropy, Russies, Conference, Scholler, Scholler Huset, Barley Breamp, Head, Stanking, Millione Pills, and the Same Barley Review of Stanak and Scholler Standard Standard, S and the Paris Black Beriver; an effettes and safe Poison find the ratio back hereves in a diffetipal and safe Poison for Bate; while much interesting and highly important Medi-cal and Philosophical Intelligence dram different Parts of the World, Sold active Medical Hall, 172, Piccatilky, oppa-site Bond-street; by Sherwood and Co. Falerinouter-row; and all Booksellers.

MUSIC.

NUSIC. DEFE-Nobility and Ladees, admirers at Music, are most respectfully Mergard, of a new Spectral prical purphed Laterment, called THE Selflings LUTE HARP, which postesses all the general journies of the Peels Repr. Atthungt, out our Effective sizes, and its played Preservary attantiation nor use thirdchine size, and its played in all the heys including in the fore is the construction, curvious and indiple, is very elegant, and casily lapment, day yet, with all insequence-concellenges and digital tages, the perifer of theory is only Found fifteen in Explorent Management Indianses inferialed.—May the even and has a bay application to \$17. Light set. (the layerator and Faustee), at his private boost Cagnicsen, the towards when y an epices, at an private boost, 8, Folly-picks, Carvenlids-quare, where a variety of the above are now ready for inspection; and where also, Ludies may be properly loateneted on the British Lute Harp, or be attended to home. N B. The Plano Forte, Singing, &c. likewise taught, as lana.

BY ORDER OF THE COURT FOR THE RELIEF OF INSOLVENT DEBTORS.

The PETER PROVIDE TO A Strength of the Strength of of Middletter, then of Peincer-square, Kemulugun, in the County of Surrey, then of Church-court, Krosington, in the County of Middlesex, and latterly of Bast-Isne, Walworth, in the County of Sarrey, now a Prisoner for debt in the King's Beach Prison, in the County of Surrey, will be brand at the Guildhell, in the City of Westminater, on the 24th day of Pebruary, inclant, 1819, at the hour of aise in the moning ; and that a Schedule (containing a list of all the Creditors of the anid Prisoner) annexed to the said Petition is filed in the Office of the said Court, No. 9, Essex-street. Blow in the Courty of Middleace, to which any Creditor tany refer; and in case any Creditor intends to uppuse the discharge of the said Prisoner, it is further ardered, that such Creditor shall give notice in writing of such his intration,

LONDON SUBSCRIPTION CONCERTS, LONDON

LONDON, MONDAY, FEBRUARY 2, 7818.

TAVERN, BISHTPSCATE STREET. THE SUBSCRIBENES and Chors are re-questing and starting the the the Chorse are in the piece THE EVENTS. Tickets for the Resonand and Schwarz and and Co.'s, of Computing, where toppess Workshirks and the balancied.

W.S.SPEDBING, Hop. Ste. POUND, the 3d of Detember, 1817, an the Buth Rend, a chart fifting from Listing, a MAUGANY CASE, in a vegipter and environment of deteching the Contents, may have it going. In payment, the expension incorrect, on supplication to token Willing Bath Contribution, a the Belle Saurage bill, tandon.

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IMPERIAL PARLIAMENT.

HOUSE OF LORDS, SATURDAY, JAN. 51.

HABEAS CORPUS SUSPENSION REPEAL BULL. The House met this day at three o'clock, when the Royal Assent was given, by Commission, to the Bill for the Repeal of the Act of last Session, entitled, " An Act for the Repeal of the Habens Corpus Act."

The Commissioners were-

The Lord Chancellor, the Barl of Shaftesbury, and Lord Melville. Adjourned to Monday.

HOUSE OF COMMONS, SATURDAY, JAN. 31.

SUSPENSION OF THE BABEAS KORPUS ACT. The House was annuned to the House of Peers, to hear the Royal Assent given by Commission to the Bill for Repeating the Habeas Corpus Suspension Act.

The SPEARER, on his return, acquainted the House that the Royal Assent had been given to the said Act.

The SPEARER also acquainted the House, that in pursuance of the Act of the 43d Geo. III, respecting contested elections, he had received from Thomus Boucher, E.q. a list of Barristers of six years standing at the Isish har, competent to act as Commissioners or Chairmen, under the provisions of the said Act.

Ordered to be deposited in the office of the Clork of the House.

Mr. ARBUTHNOT moved, that there should be laid before the House an Account of all Exchequer Bills issued under the 57th Geo, III, c. 2. entitled, " An Act for mixing 24 millions for the service of his Majesty for the year 1817, outstanding and unpravided for,"-Ordered.

A similar Account, respecting nine millions of Exchequer Bills, issued at a later period of the sume year, was also ordered.

would be occasion for more accommodiation. With regard to making reports of one Session before the other commenced, he begged to state that this was impossible. The interests of the unhappy criminals frequently required that time should be taken to deliberate on their coses, and to make inquiries as in their clearacters, often in distant parts of the unity. The reports were made as often as it was expedient,

.

Mr. BENNETT, in answer to the last observation of the Han, Gentleman, stated, that the Recorder had been ready for some time with his last Report ; that the delay took place on the part of his Majesty's Government. The delay, therefore, did not cest with the Recorder. The motion was then put and carried.

Mt. BENRETT moved, first, For an account of all pension or retired allowances granted to inspectors of town, of clerks in tax-offices, distinguishing such officers the one-from the other-und, For an account of all Pachequer Bills issued between the 1st of January, 1817, and the 1st of January, 1818, specifying the Acts of Parliament under which they were issued, the dates of their issue, their amount, the terms on which the issues were made, and how applied.

At the suggestion of the CHANCELLOR of the EXCHEQUER, the Hon. Gentleman withdrew his motions, and desired that they might stand as notices for Taesday.

BANK TOKENS

had been taken to secure those persons from loss who might chance to have Bank of England tokens, which had been of so much use to the public, in their possession after the period appointed by the Bank for their recall, and whether they would not be received in payment by the Reteivers of Taxes ?

it might he understood that the object he had now in view was merely to adopt the usual form of taking into consideration that part of his Majesty's Speech which referred to the supplies for the year, It was always customary to refer this subject to a Committee of Supply the day succeeding that on which the Speech itself had been taken into consideration. He had adopted the earliest opportunity of parsuing this course. If it were intended to enter into any discussion, it would perhaps be fitter to defer the question till Monday.

of referring to the circumstance, that in the Speech to which the Right Hon, Gentleman had alladed there was not one word said of economy or retrenchment ; there was not the same regard even to appearances that was observable at the opening of the preceding Session .- (Hear,)-On the contrary, it seemed to be the intention of his Majesty's Government to raise the income of the country to the expenses, rather than to reduce the expenses to the income. - (Hear.)-It was important, especially as that period approached when they were to meet their constituents, and when they would be called that it should be understand a

any steps had been aken for destroying all genuins of a tax which had been justly adjourn to the people, and which had been abulahed through the exertions of the House and of the country at large-he meant the Property Tax ?

O.S. 1910.dii

- X., ÷.,

The CHANCEALOR of the EXCHAQUER was not prepared to answer the question in detail ; he would inquire more particularly, and give an unswer on Monday.

SUSPENSION OF THE HABEAS CORPUS ACT.

Mr. BESNETT presented a Petition from Mr. Benbow, a person who was apprehended under the Suspension of the Habres Curpus Act, and confined for eight mouths in Coldbath-fields Prison, praying for such redress as the House in its wisching could grant him. The Hon. Gentleman stated the substance of the Petition, observing, that the Petitioner was dire of fluse persons who had been dragged, without guilt, and thrust into a prison by his Majesty's Ministers. He said without guilt. because he took it for greated, from the experience they had of those gentlem-n's mercy, that if he were guilty he would have been brought to trial .--When this person was examined before Lord Solmouth, that Noble Lord promised that he should have a fair trial; that he should have Counsel assigned him, and be furnished with a copy of the indictment against him, and a list of witnesses. This pledge had, however, never been redeemed ; and he, along with others, a thing nu-precedented, he believed, in an English Court of Justice, were now found entreating to be tried for high treason, the crime with which they were charged. While in prison the letters of his wife were super pressed, and, in fact, every species of oppressions nas heaped upon him. His poverty was such that he was under the necessity of asking for clothes of his gadler, who insulted him by offering him the clothes apportioned to felous. The Petniquer was one of those who had refused to enter into recognizance on the 1st of January, and who was discharged on the 20th of the same month, without recognizance. If it were just to cull for his recognizance on the 1st, it was equally just to make the sume demand on the 20th. The demand, however, was not made, and hence he inferred an admission of its injustice.

The Petition was then brought up, read, and ordered to lie on the tubie.

IRISH GRAND JURY PRESENTMENTS. Mr. V. FITZGREALD maved the Order of the Day for the House resolving itself into a Committee on the Bill for Suspending the Irish Grand Jury Presentment Bill. Mr. COUNTENAY expressed a hope that there was so intention on the part of the Right Hous Gentleman to abandon all further attempts with respect to this Bill.

Mr. V. FITZGERALD intimated his intention to submit another measure of the like nature to the House, during the present Session, but not of so extended a description.

Mr. Apencaonay hoped that the Bill would be introduced sufficiently early to pers during the present Session. He also referred to the Civil Engineers' Report, and objected to the conclusion drawn on that document as to the utter impracticability of carrying the provisions of the Act into execution. He thought that this Report went an extraordinary length.

Mr. PEEL said, that the feeling of the Commissioners was in favour of the measure ; but that they found so much difficulty in effecting its object, that they had come to the conclusion of its impracticability.

Sir H. PARNELS, complained that there had not been sufficient notice given of the intended visit of the Commissioners ; and hence those who might have become candidates for the situations pointed out by the Bill, bad no opportunity of susseling

Mr. CONWER begged to know whether any steps

The CHANCELLOS of the EXCHEQUER said, that the question of the Hon, Gontleman was not easy to answer. The Receivers of Taxes would no doubt receive the Bank tokens so long as the Bank would receive them, but he was not prepared to say they would do more. He understood there had been some communication from the Bank of England on the subject to the country bankers, with a view to facilitating the exchange of the tokens for

other money. Mr. CURWEN said, that so as means were taken

to accure the public from loss, he was satisfied. SUPPLY

The CHANCELLOR of the EXCHAQUES moved the Order of the Day for the House resolving into a Committee of Supply.

Mr. Thoars rose and said he did not mean to oppose this motion. The CUANCELLOR of the EXCURQUER desired

Mr. SHAW said, he merely rose for the purpose upon to describe what the state of the country was,

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Numb. 398



ТНЕ

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Company of the Sun-Fire-Office, in Threadneedle-Street, behind the Royal-Exchange, London; where Policies in due Form are deliver'd out for Infuring Houses, moveable Goods, Furniture, and Wares, from Loss and Damage by Fire in any Part of Great Britain, to the Value of 5001. each Policy, to any Perfon who shall take them, paying the Stamp-Duty and the first Quar-Two Shillings if they defire no British-Mercury, or ter, viz. Two Shillings and fix Pence if they will have it ;

E. Either of which Quarteridges they are to pay within fifteen Days after every usual Quarter-day of the Tear. The rest of the Conditions of the Insurance. are contain'd in the Company's Propofals, printed the 4th of July laft, which are to be had gratis at their faid Office.

Wednefday February 18. 1713.

The Hiftory of the World continu'd.



NN. Mund. 2049. Semiramis enter'd upon the Affyrian Empite. She semirawas the first Woman that, instead of her private Houthold-Af-mis. fairs, ever took upon her the Administration of the Publick; and preferring Dominion before the Duties of her Sex, corrected the Error of Nature, which had given her a Woman's Body, by the Exercise of a masculine Soul. Her excellent Parts were tainted with breathing Vices Thus & annears that for the mail Part great

W\301^G\317\312\247^Xa\310\333\224\257 @>^SIsEe\$\232Z>\241\327\254N\354\266\325\247\201[\263^XZ\227%\307\216\336^A\302RP \202:\214c9\364\252m\262\350\302m3Q%K^N^M\212\216^B\216^B\2019^ x49\2466\300K\272 1^KJI^KN3\306jCqR\344P\343hh\371\204\343^\^N\264\257KB\204\222\267>\317\357^]\23 7\314\211bn\343^H\263!q\234L\207^T\372\266\251`^B\234\363\306NqS\265^E\323B\352= GK2T\233k\245\210iIrB\244)^]\347\354\243jG\230^@\361X^Sig\206^Ah\207[!'npA4\354\2 373\222\344>\372\235[\241\347q\274\237<`^C\374\2501\364(\274\312^UKr\2237E\273\242</p> 3\344H\323\355<v\245^L).\311\361 \356^D^\u z\326\317\244nn\334t\224^K\214\340\202 G(235x^B(244)205)356^C(222^G?A)232(3426)327(226)224)323/(206)234^+^D^@+Eo)264^KP \2636V\254^Q\344:!4\224\250\276x\306\324\340%#\313\221Sw[F\331A^KL\355>^E\255\37P 12\347\267-\327V\343\341JC`p\260\220\241\317\247^ \235^T\267j\313m\213\2638\260\ 331ygt~\3526\340^C\233\311\371g\346A'\237Nk^H\323\321\265e\365rY\262\270\364\204p \241{\326\205\310J@\364\371\210\347\217*?w\354\37315\246bNb\316\364\271*\357\314 Q\246^Z^AJq\305\341P;\210Q#\236^G^X\252\247\365(\304\200\360^V\331\253.\313^Z&\$+\2 223\315\256T\306\233Z\226\216:-9 v\375(^F\246\321\226\353\245\215\331\257 \325^UP a^P\343\200^T\204^0^Rv^NNMfZ\356\365\254\256:v\327^B\343e\270F^P^Q\267\342^W^Y\32 4\253\240^Gq\306\337\376\3250oQ\335\213\375\363\363^]w\354\273\242^T\254\215\270 a\306\337\245^W\250^UE\355\352\266\236\316\264e\251\326^N\243\215vL\227^X\2201X\3 S6\361\320m\307\320\343\255^ \377^@\243\353\253\252i\3507\230\256 \$\220^\A\311^E 4\260q\355\306k\236,\232\266\361d\216\363^V\371\212e\2519K\255'\224\220x\306>\37 2\261Y{T\324\220\`A\233\265\306\333\356\326KAEI\3523\236\246\231\275\305^@{8[\34 6\233\323\267\313V\246\266\273)\326^W^Y^BF\376\355j8\334^F\321\203\357W\347JJ\21

¶7\202\342C\204n\377^@z^U!1d\240\247v

377\330\377\333^@C^@^E^C^D^D^D^C^E^D^D^D^E^E^E^F^G^L^H^G^G^G^G^O^K^K ^L^Q^O^R ^R^Q^O^Q^Q^S^V^\^W^S^T^Z^U^Q^Q^X!^X^Z^]^]^_^_^S^W"\$"^\$^\^^^_^N\377\333^@C^A^E ^E^E^G^F^G^N^H^H^N^^T^Q^T

Agenda

- Some examples of file types
 - Text
 - Images
 - Video
 - Audio

ASCII

- Widely used in the U.S.
 - American Standard
 Code for Information
 Interchange
 - ANSI X3.4-1968



U NUL	32 SPACE	64 @	96
1 SOH	33 !	65 A	97 a
2 STX	34 "	66 B	98 b
3 ETX	35 #	67 C	99 c
4 EOT	36 \$	68 D	100 d
5 ENQ	37 %	69 E	101 e
6 ACK	38 &	70 F	102 f
7 BEL	39 '	71 G	103 g
8 BS	40 (72 H	104 h
9 НТ	41)	73 I	105 i
10 LF	42 *	74 J	106 j
11 VT	43 +	75 K	107 k
12 FF	44 ,	76 L	108 1
13 CR	45 -	77 M	109 m
14 SO	46.	78 N	110 n
15 SI	47 /	79 0	111 o
	48 0	80 P	112 p
	49 1	81 Q	113 q
18 DC2	50 2	82 R	114 r
19 DC3	51 3	835	115 s
20 DC4	52 4	84 T	116 t
21 NAK	53 5	850	117 u
22 SYN	54 6	86 V	118 v
	55 7	87 W	119 W
24 CAN	56 8	88 X	120 x
25 EM	57 9	89 Y	121 y
26 SUB	58:	90 Z	
	59 ;		
28 FS	6U <	92 \	124 195]
29 GS	C	93]	125 }
30 KS	62 >	94 ^	126 ~
JI US	64 ?	95 _	LIZY DEL

The Latin-1 Character Set

- ISO 8859-1 8-bit characters for Western Europe
 - French, Spanish, Catalan, Galician, Basque,
 Portuguese, Italian, Albanian, Afrikaans, Dutch,
 German, Danish, Swedish, Norwegian, Finnish,
 Faroese, Icelandic, Irish, Scottish, and English

Printable Characters, 7-bit ASCII

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¢	а	b	С	d	е	f	g	h	i	j	k	1	m	n	0
р	q	r	s	t	u	v	ω	×	y	z	£		3	2	

Additional Defined Characters, ISO 8859-1

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Ð	Ñ	ò	Ó	Ô	Õ	ö	х	Ø	Ù	Ú	Û	Ü	Ý	Þ	ß
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ð	ñ	ò	ó	ô	õ	ö	÷	ø	ù	ú	û	ü	ý	Þ	ÿ

Other ISO-8859 Character Sets



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East Asian Character Sets

- More than 256 characters are needed
 Two-byte encoding schemes (e.g., EUC) are used
- Several countries have unique character sets

 GB in Peoples Republic of China, BIG5 in Taiwan, JIS in Japan, KS in Korea, TCVN in Vietnam
- Many characters appear in several languages
 - Research Libraries Group developed EACC
 - Unified "CJK" character set for USMARC records

Unicode

- Single code for all the world's characters
 ISO Standard 10646
- Separates "code space" from "encoding"
 - Code space extends Latin-1
 - The first 256 positions are identical
 - UTF-7 encoding will pass through email
 - Uses only the 64 printable ASCII characters
 - UTF-8 encoding is designed for disk file systems

```
<html>
 <head>
 <title>UMCP: iSchool: INST 346: Spring 2018: Schedule</title>
 <style>
 table, th, td {
   border: 1px solid black;
   border-collapse: collapse;
 }
 th, td {
    padding: 5px;
 }
 </style>
 </head>
 <body bgcolor="#ffffff" vlink="#551110">
 <center><img align=middle src="IMAGES/head.jpg"
 alt="[CLIS logo]"></center>
 <hr>>
 <h2><center>INST 346 <br>
 Technologies, Infrastructure and Architecture <br>
 Spring 2018 (br)
 Schedule
 </center>
 </h2>
 <hr>>
 <center>
   Session
    Date
    Module
    Topic
     Read <u>Before</u> Class
     Due <u>Before</u> Start of Class
    Activity
    Materials Used in Class
    Instructor
<center>Jan 24</center>
    <center>Systems</center>
    Computers
     
     
     
    </t
    <center><a href="http://terpconnect.umd.edu/~oard/">Oard</a></center>
```





Nothing new...



Georges Seurat, A Sunday Afternoon on the Island of La Grande Jatte

Visual Perception

- Closely spaced dots appear solid
 But irregularities in diagonal lines can stand out
- Any color can be produced from just three – Red, Blue and Green: "additive" primary colors
- High frame rates produce apparent motion
 Smooth motion requires about 24 frames/sec
- Visual acuity varies markedly across features
 Discontinuities easily seen, absolutes less crucial

Basic Image Coding

- Raster of picture elements (pixels)
 - Each pixel has a "color"
 - Binary black/white (1 bit)
 - Grayscale (8 bits)
 - Color (3 colors, 8 bits each)
 - Red, green, blue
- Screen
 - A 1024x768 image requires 2.4 MB
 - So a picture is worth 400,000 words!

Compression

- Goal: reduce redundancy
 Send the same information using fewer bits
- Originally developed for fax transmission
 Send high quality documents in short calls
- Two basic strategies:
 - Lossless: can reconstruct exactly
 - Lossy: can't reconstruct, but looks the same

Palette Selection

- Opportunity:
 - No picture uses all 16 million colors
 - Human eye does not see small differences
- Approach:
 - Select a palette of 256 colors
 - Indicate which palette entry to use for each pixel
 - Look up each color in the palette

"The rain in Spain falls mainly in the plain" \rightarrow [*=ain,^=in] "The r* ^ Sp* falls m*ly ^ the pl*"



Run-Length Encoding

• Opportunity:

- Large regions of a single color are common

- Approach:
 - Record # of consecutive pixels for each color

• An example of <u>lossless</u> encoding

GIF

- Palette selection, then lossless compression
- Opportunity:
 - Common colors are sent more often
- Approach:
 - Use fewer bits to represent common colors
 - 1 Blue 75% 75x1 = 75 75x2 = 150
 - 01 White 20% 20x2=40 20x2=40
 - 001 Red 5% $5x3=\underline{15}$ $5x2=\underline{10}$ 130 200

JPEG

• Opportunity:

- Eye sees sharp lines better than subtle shading

- Approach:
 - Retain detail only for the most important parts
 - Accomplished with Discrete Cosine Transform
 - Allows user-selectable fidelity
- Results:
 - Typical compression 20:1

Variable Compression in JPEG





37 kB (20%)

4 kB (95%)

Video Data Rates

- "NTSC" Quality Computer Display
 - 640 X 480 pixel image
 - 3 bytes per pixel (red, green, blue)
 - 30 Frames per Second
- Storage
 - 3 minutes would require 4.74 GB (a full DVD!)
- Required transfer rate
 - 26.4 MB/second
 - Near the bandwidth of many disk drives

Video Compression

- Opportunity:
 - One frame looks very much like the next
- Approach:
 - Record only the pixels that change
- Standards:
 - MPEG-2: HDTV and DVD
 - MPEG-4: Web video (streaming)

MPEG Encoding



Basic Audio Coding

Sample at twice the highest frequency
- 8 bits or 16 bits per sample

$$\mathbf{A} \longrightarrow \mathbf{Sampler} \longrightarrow \mathbf{A} \longrightarrow \mathbf$$

- Speech (0-4 kHz) requires 8 kB/s
 Standard telephone channel (1-byte samples)
- Music (0-22 kHz) requires 172 kB/s
 - Standard for CD-quality audio (2-byte samples)

Music Compression

• Opportunity:

– The human ear cannot hear all frequencies at once

• Approach:

- Don't represent "masked" frequencies

• Standard: MPEG-1 Layer 3 (.mp3)



Agenda

- Some examples of file types
 - Text
 - Images
 - Video
 - Audio
- Key storylines
 - Compression
 - More than the content
 - Context
 - Layout

Before You Go!

• On a sheet of paper (no names), answer the following question:

What was the muddiest point in today's class?