

PÁTIO DA ILUSÃO illusion

DRIVE IN

Lindsey Bahr, AP Film Writer

'THE EAGLE HUNTRESS' IS A **HEARTWARMING ALL-AGES TALE**

There is an ancient tradition of falconry practiced by the people of Mongolia where burkitshi, or "eagle hunters," train golden eagles to respond to their call and hunt hares and foxes in the frozen landscape. It's a skill and ceremonial practice that's learned from age 13 and has been largely the domain of men.

Enter Aisholpan, a 13-yearold nomadic Kazakh girl who wants to be an eagle hunter. Her father is one. Her grandfather was too. And it's a family tradition that dates back 12 generations. It's this shy, rosy cheeked and brave little girl whose story to become the first female eagle hunter in her family is lovingly told in the documentary "The Eagle Huntress," which is sure to inspire and enchant

generations of young children with its heartwarming story and stunning locations. It's fitting that the film is narrated (and executive produced) by Daisy Ridley, who shepherded the "Star Wars" universe into a more empowering space for women with her portrayal of the ambitious and self-sufficient Jedi-in-training Rey.

Director Otto Bell embeds the audience in Aisholpan's world, which looks both modern and ancient at the same time. She lives with her parents and siblings in a spacious yurt. Her mother cooks and cleans and her father herds goats and cattle across the Mongolian Steppe. Aisholpan helps out with the chores at home and is a top student who hopes one day to become a doctor.

But first, she wants to follow in her father's footsteps and train eagles.

There is an obvious girl power message in the film that's spelled out loud and clear by both the narration and the framing of Aisholpan's accomplishments. Although her father and mother support her dreams, Bell makes sure to show a room of elder eagle hunters expressing doubts about a woman's ability to perform the job because they lack the necessary bravery and are "too fragile." They might as well be twirling their mustaches for how on the nose it all is. In fact, there's an overriding level of artifice to "The Eagle Huntress" that's hard to shake. Bell opts for reality show techniques to up the drama throughout, like a cut



Aisholpan (left) and her father Nurgaiv in a scene from "The Eagle Huntress'

of Aisholpan removing her hat at a competition to reveal she's a girl juxtaposed with a shot of a man looking aghast while the music crescendos. Was he really looking at her?

Was it an authentic moment? As it plays out, it certainly doesn't feel real even if the spirit of truth is there. It's something that's unlikely to bother or even register

with younger audiences and perhaps it's even a necessary storytelling device. But it does break the spell of this otherwise enchanting and quite sincere film.

It's hard not to get swept up in Aisholpan's bravery and determination as she climbs down a rocky terrain to kidnap her very own eagle, or as she braces for impact when her eagle swoops down to land on her arm. The drone shots of the landscapes, too, are something to behold. It is indeed a rare and special story, and, as a film, it's a wholesome lark that you'll want to show your daughters and sons.

"The Eagle Huntress," a Sony Pictures Classic release, is rated G by the Motion Picture Association of America. Running time: 87 minutes.







BOOK IT

McHale celebrates his talents IN 'THANKS FOR THE MONEY'



"Thanks For the Money" (G.P. Putnam's Sons), by Joel McHale

When thinking of Joel McHale, some may immediately conjure images of the actor in the cult classic "Community." Others may know him as the host who provided enough sarcasm to fill a room in the pop culture talk show "The Soup."

In "Thanks For the Money," McHale is quick to point out that how you know about him is irrelevant — as long as you admit his luscious locks are indeed not a hairpiece.

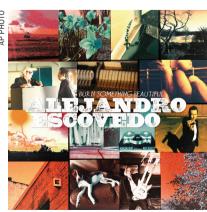
He invites readers to use his experience as a somewhat famous person to be the best household name they can be. He writes about how famous people diet and explains the task of choosing a celebrity feud that's right for you. The book also delves into the details of his day-to-day life, answering questions such as: What would it be like to challenge Chevy Chase in a fight? And how many head injuries can a person sustain before being hospitali-

McHale manages to take everyday scenarios and twist them into witty and oddly relatable life lessons. The book is smart, honest and

Lincee Ray, AP

tTUNES

ALEJANDRO **E**SCOVEDO ROCKS OUT ON 'BURN'



Alejandro Escovedo, "Burn Something **Beautiful" (Fantasy Records)**

↑ lejandro Escovedo may not be a household name, but he should be.

The 65-year-old singer-songwriter emerged in the 1970s as a punk rocker, gained acclaim as a soulful Texas-based alt-country star and has been holding down the roots rock mantle for years. The styles all co-exist wonderfully on his new release "Burn Something Beautiful," his first in four years.

Escovedo co-wrote the 13 songs and produced it with former R.E.M. member Peter Buck and Scott McCaughey of The Minus 5.

The record comes as Escovedo has battled hepatitis-C and survived a hurricane while on his honeymoon in Mexico. That experience left him with post-traumatic stress disorder.

So maybe it's no surprise on "Burn Something Beautiful" he sings of loss, the healing power of love and his own mortality.

But it's no maudlin affair. Guitars wail on the opener, "Horizontal," setting the tone for what's to come. He may be 65, but

Escovedo seems determined to prove advancing age isn't an inhibitor to showing the youngsters Still, musings on the inevitable end are never far away, like on "I Don't Want to Play Guitar

Anymore."

"When there's no stories left to sing," Escovedo sings, "say goodbye to everything."

Scott Bauer, AP

Why robots, not trade, are behind so many factory job losses

ere's a thought despite the Republican presidential nominee's charge that "we don't make anything anymore," manufacturing is still flourishing in America. Problem is, factories don't need as many people as they used to because machines now do so much of the work.

America has lost more than 7 million factory jobs since manufacturing employment peaked in 1979. Yet American factory production, minus raw materials and some other costs, more than doubled over the same span to USD1.91 trillion last year, according to the Commerce Department, which uses 2009 dollars to adjust for inflation. That's a notch below the record set on the eve of the Great Recession in 2007. And it makes U.S. manufacturers No. 2 in the world behind China.

Trump and other critics are right that trade has claimed some American factory jobs, especially after China joined the World Trade Organization in 2001 and gained easier access to the U.S. market. And industries that have relied heavily on labor - like textile and furniture manufacturing - have lost jobs and production to low-wage foreign competition. U.S. textile production, for instance, is down 46 percent since 2000. And over that time, the textile industry has shed 366,000, or 62 percent, of its jobs in the United States.

But research shows that the automation of U.S. factories is a much bigger factor than foreign trade in the loss of factory jobs. A study at Ball State University's Center for Business and Economic Research last year found that trade accounted for just 13 percent of America's lost factory jobs. The vast majority of the lost jobs - 88 percent were taken by robots and other homegrown factors that reduce factories' need for human labor.



A worker moves a tube to sort recycled plastic bottle chips being processed at the Repreve Bottle Processing Center

"We're making more with fewer people," says Howard Shatz, a senior economist at the Rand Corp. think tank.

General Motors, for instance, now employs barely a third of the 600,000 workers it had in the 1970s. Yet it churns out more cars and trucks than ever.

Or look at production of steel and other primary metals. Since 1997, the United States has lost 265,000 jobs in the production of primary metals — a 42 percent plunge — at a time when such production in the U.S. has surged 38 percent.

Allan Collard-Wexler of Duke University and Jan De Loecker of Princeton University found last year that America didn't lose most steel jobs to foreign competition or faltering sales. Steel jobs vanished because of the rise of a new technology: Superefficient mini-mills that make steel largely from scrap metal.

he robot revolution is just beginning. The Boston Consulting Group predicts that investment in industrial robots will grow 10 percent a year in the 25-biggest export nations through 2025, up from 2 or 3 percent growth in recent years.

The economics of robotics are hard to argue with. When products are replaced or updated, robots can be reprogrammed far faster and more easily than people can be retrained. And the costs are dropping: Owning and operating a robotic spot welder cost an average \$182,000 in 2005 and \$133,000 in 2014 and will likely run \$103,000 by 2025. Boston Consulting says. Robots will shrink labor costs 22 percent in the United States, 25 percent in Japan and 33 percent in South Korea, the firm estimates.

CEO Ronald De Feo is overseeing

ttsburgh-based industrial materials company. The effort includes investing \$200 million to \$300 million to modernize Kennametal's factories while cutting 1,000 of 12,000 jobs. Automation is claiming some of those jobs and will claim more in the future, De Feo says.

"What we want to do is automate and let attrition" reduce the workforce, he says.

Visiting a Kennametal plant in Germany, De Feo found workers packing items by hand. He ordered \$10 million in machinery to automate the process in Germany and North America.

That move, he says, will produce "better quality at lower cost" and "likely result in a combination of job cuts and reassignments."

But the rise of the machines offers an upside to some American workers: The increased use of roa turnaround at Kennametal, a Pi- bots — combined with higher labor

costs in China and other developing countries - has reduced the incentive for companies to chase low-wage labor around the world.

ultinational companies are also rethinking how they spread production across the globe in the 1990s and 2000s, when they tended to manufacture components in different countries and then assemble a product at a plant in China or other low-wage country. The 2011 earthquake and tsunami in Japan, which disrupted shipments of auto parts, and the bankruptcy of the South Korean shipping line Hanjin Shipping, which stranded cargo in ports, exposed the risk of relying on far-flung supply lines.

"If your supply chain gets interrupted and your raw materials are coming from offshore, all of a sudden shelves are empty and you can't sell product," says Thomas Caudle, president of the North Carolina-based textile company Unifi.

So companies have been returning to the United States, capitalizing on the savings provided by robots, cheap energy and the chance to be closer to customers.

"They don't have all their eggs in that Asian basket anymore," Caudle says.

Over the past six years, Unifi has added about 200 jobs, bringing the total to over 1,100, at its automated factory in Yadkinville, North Carolina, where recycled plastic bottles are converted into Repreve yarn. Unmanned carts crisscross the factory floor, retrieving packages of yarn with mechanical arms work once done by people.

In a survey by the consulting firm Deloitte, global manufacturing executives predicted that that the United States - now No. 2 - will overtake China as the most competitive country in manufacturing by 2020. (Competitiveness is measured by such factors as costs, productivity and the protection of intellectual property.)

The Reshoring Initiative, a nonprofit that lobbies manufacturers to return jobs to the United States, says America was losing an average of 220,000 net jobs a year to other countries a decade ago. Now, the number being moved abroad is roughly offset by the number that are coming back or being created by foreign investment.

Harold Sirkin, senior partner at Boston Consulting, says the global scramble by companies for cheap labor is ending.

"When I hear that [foreigners] are taking all our jobs — the answer is, they're not," he says.



A worker loads spools of thread



Recycled plastic chips are packed into bags for delivery

PÁTIO DO SAL salt

WORLD OF BACCHUS

Jacky I.F. Cheong



WILLI SCHAEFER GRAACHER HIMMELREICH RIESLING KABINETT VDP GROSSE LAGE

Translucent citrine with pastel golden reflex, the cordial nose offers bergamot, green apple, wet stone and paperwhite. With lively acidity and pure minerality, the adorable palate delivers calamansi, Japanese pear, crushed shells and lemon blossom. Off-dry and medium-bodied at 7.5%, the dainty entry carries onto a focused mid-palate, leading to a refreshing finish.



WILLI SCHAEFER GRAACHER DOMPROBST RIESLING Spätlese VDP Grosse Lage 2012

Limpid citrine with bright golden reflex, the floral nose presents peach, pineapple, wet stone and frangipani. With vivacious acidity and stony minerality, the attractive palate supplies Fuji apple, apricot, crushed rock and daffodil. Offsweet and medium-bodied at 7.5%, the peachy entry continues through a succulent mid-palate, leading to a tangy finish.



WILLI SCHAEFER GRAACHER HIMMELREICH RIESLING Auslese VDP Grosse Lage 2013

Luminous citrine with light chartreuse hues, the alluring nose furnishes kumquat, longan, lemon curd, crushed rock and white tulip. With sprightly acidity and pristine minerality, the seductive palate provides yuzu, mangosteen, tangerine marmelade, seashells and white rose. Fully sweet and medium-full bodied at 7%, the enchanting entry persists through a melodious midpalate, leading to a delightful finish



WILLI SCHAEFER GRAACHER DOMPROBST RIESLING BEERENAUSLESE VDP GROSSE LAGE 2010

Radiant golden with bright amber reflex, the intricate nose effuses Seville orange, apricot, dried longan, crystallised tangerine peel, white clover honey and osmanthus. With animated acidity and crystalline minerality, the chiselled palate emanates clementine, nectarine, dried mango, orange marmalade, lemon honey and honeysuckle. Luxuriously sweet and full-bodied at 8%, the lush entry evolves into a symphonic mid-palate, leading to a lingering finish.

The Quintessence of Purity

Mosel is the name of both the river – a tributary of the Rhine running parallel to Ahr - and the wine region, one of Germany's largest, most important and prestigious. Stretching from Trier - purportedly the oldest city of Germany and the birthplace of Karl Marx - to Koblenz, the meandering river with sharp turns and hairpin bends travels some 250km, or 125km as the crow flies. This is one of the most inimitable wine regions on earth, whose wines are instantaneously distinguishable.

Viticulture and winemaking in Mosel can be traced back to the early 1st century BC, when the Roman city of Augusta Treverorum, now Trier, was founded. Since the Middle Ages, Riesling has reigned supreme in this region, now comprising approximately 60% of all vines planted. If Riesling is a daredevil which enjoys living on the sharp edge of a knife, in Mosel it has found its natural habitat. The southernmost of German wine regions is on a par with cool-climate regions such as Bourgogne and Champagne, yet Mosel is significantly more northerly. In an area where other cosy varieties would not reach maturity, Riesling flourishes thanks to the delicate balance in which the Mosel reflects just enough sunshine and the steep slopes allow just enough exposure, while the slate-dominated soil retains just enough warmth.

Renowned for its breathtaking landscape, Mosel is home to some of the steepest vineyards in the world, some reaching a staggering 65 degrees gradient. Few crops can grow under such circumstances, and yet this is the source of some of the greatest white wines on earth. So labour-intensive is viticulture in Mosel that it is often said that it requires seven times the manpower as do flat vineyards. Despite the labour cost, Mosel wines remain, at least for now, tantalisingly affordable.

Willi Schaefer is the quintessential qualitydriven family-owned estate in Mosel. With a venerable family history dating back to 1121, it has but 4.2ha of prime vineyards, some of which comprising ungrafted vines up to 100 years old, including Wehlener Sonnenuhr ("Wehlen's sundial"), Graacher Domprobst ("Graach's cathedral provost") and Graacher Himmelreich ("Graach's heaven kingdom"). Hovering between 6% and 9% ABV, its exquisite produce is immensely fruity with pristine – not the saline type – minerality and slight petillance in youth. Much of Riesling, especially Mosel's Riesling, is consumed too young despite its substantial ageing potential, but who could blame the thirsty drinkers, when the wines are so irresistible in youth? If there are 10 regions whose wines one must taste before returning to the Creator - or Karl Marx, if you are a communist – Mosel is surely one of them.

To explore the finest of Mosel, contact Ms Guiomar Pedruco of Macau Fine Wine Bazaar Co. Ltd.; W: www.macaubazaar.com. mo; E: guiomar@macaubazaar.com.mo; T: +853 2872 0025

Jacky I.F. Cheong is a legal professional by day and columnist by night. Having spent his formative years in Britain, France, and Germany, he regularly writes about wine, fine arts, classical music, and politics in several languages

RESTAURANTS

CANTONESE



GRAND IMPERIAL COURT 5pm – 12midnight T: 8802 2539 Level 2, MGM MACAU



IMPERIAL COURT

Monday - Friday 11am - 3pm / 6pm - 11pm Saturday, Sunday & Public Holidays 10am - 3pm / 3pm - 11pm VIP Hotel Lobby, MGM MACAU

BEIJING KITCHEN

Level 1, Grand Hyatt Macau **Opening Hours**



KAM LAI HEEN

Grand Lapa, Macau 956-1110 Avenida da Amizade, 2/F T: 8793 3821 11:00 - 15:00 / 18:00 - 22:00 (Close on Tuesday)

SHANGHAI MIN

Level 1, The Shops at The Boulevard Openina Hours 11:00 - 15:00; 18:00 - 22:30

SHANGHAI

CATALPA GARDEN

Mon - Sunday 11:00 - 15:00 / 17:30 - 23:00 Hotel Royal, 2-4 Estrada da Vitoria T: 28552222

FRENCH

寶 雅 座 **AUX BEAUX ARTS**

AUX BEAUX ARTS

Monday - Friday 6pm – 12midnight Saturday – Sunday 11am – 12midnight T: 8802 2319 Grande Praça, MGM MACAU

GLOBAL

HARD ROCK CAFE

Level 2, Hard Rock Hotel Opening Hours Monday to Sunday : 11:00 - 02:00 Sunday: 10:00 - 02:00

CAFÉ BELA VISTA

Grand Lapa, Macau 956-1110 Avenida da Amizade. 2/F T: 87933871 Mon -Thurs 06:30 – 15:00 / 6:00 – 22:00 Fri – Sunday 06:30 - 22:00

Mezza9 Macau

Level 3, Grand Hyatt Macau Opening Hours Dinner: 5:30 – 11:00



VIDA RICA (RESTAURANT)

2/F, Avenida Dr Sun Yat Sen, NAPE T: 8805 8918 6:30 - 14:30 / 18:00 - 23:00



MORTON'S OF CHICAGO The Venetian(r) Macao-Resort-Hotel

T:853 8117 5000 mortons.com Open daily at 3pm Dining Room Monday - Saturday: 13:00 - 23:00 Sunday: 17:00 - 22:00

ABA BAR

ABA **B**AR

5pm - 12midnight T: 8802 2319 Grande Praça, MGM MACAU



PASTRY BAR

10am - 8pm T: 8802 2324 Level 1, MGM MACAU



R O S S I O

Rossio 7am - 11pm Grande Praça, MGM MACAU



SQUARE EIGHT

24 hours T: 8802 2389 Level 1, MGM MACAU

ITALIAN

LA GONDOLA

Mon - Sunday 11:00am – 11:00pm Praia de Cheoc Van, Coloane, next to swimming pool



PORTOFINO

Casino Level1, Shop 1039, The Venetian Macao TEL: +853 8118 9950



AFRI**K**ANA

Monday to Sunday 6:00pm - 3:00am Location : AfriKana, Macau Fisherman's Wharf Telephone Number: (853) 8299 3678

JAPANESE

SHINJI BY KANESAKA

Level 1, Crown Towers Lunch 12:00 - 15:00 Dinner 18:00 - 23:00 Closed on Tuesday (Lunch and Dinner) Wednesday (Lunch)

ASIAN PACIFIC

ASIA KITCHEN

Level 2, SOHO at City of Dreams Opening Hours 11:00 – 23:00

GOLDEN PAVILION

Level 1, Casino at City of Dreams Opening Hours



GOLDEN PEACOCK

Casino Level1, Shop 1037, The Venetian Macao TEL: +853 8118 9696 11:00 - 23:00

PORTUGUESE

CLUBE MILITAR

975 Avenida da Praia Grande T: 2871 4000 12:30 - 15:00 / 19:00 - 23:00

FERNANDO'S

9 Praia de Hac Sa, Coloane 12:00 - 21:30

THAI



NAAM

Grand Lapa, Macau 956-1110 Avenida da Amizade, The Resort T: 8793 4818 12:00 – 14:30 / 18:30 – 22:30 (Close on Mondays)

BARS & PUBS



38 LOUNGE

Altrira Macau, Avenida de Kwong Tung, 38/F Taipa Sun-Thu: 13:00 - 02:00 Fri, Sat and Eve of public holiday: 15:00 - 03:00

R BAR

Level 1, Hard Rock Hotel Opening Hours Sun to Thu: 11:00 - 23:00 Fri & Sat:



Bellini Lounge

Casino Level 1, Shop 1041, The Venetian Macao CONTACT US: Tel: +853 8118 9940 Daily: 16:00 - 04:00



Macau Fisherman's Wharf Edf. New Orleans III Macau

VIDA RICA BAR

2/F, Avenida Dr. Sun Yat Sen, NAPE T: 8805 8928 Monday to Thusday: 12:00 – 00:00 Friday: 12:00 – 01:00 Saturday: 14:00 – 01:00 Sunday: 14:00 – 00:00

Vasco

Grand Lapa, Macau 956-1110 Avenida da Amizade, 2/F Monday to Thursday: 18:30 – 12:00 Friday to Saturday: 18:00 – 02:00 Sunday: 18:00 – 24:00



RAO'S COOKBOOK SERVES UP SPICY ANECDOTES WITH THE MEATBALLS

S o one night, the story goes,
Justin Bieber was in town (NYC), and had a hankering for Italian food. Not just any Italian, but Rao's, the tiny restaurant by a park in East Harlem that's been around for 120 years — and is one of the hardest-to-get tables in the country, let alone the city. Some "serious society types" made inquiries for Bieber, according to an anecdote in the new cookbook. "Rao's Classics." But the place was booked with regulars, as always. Would heaven and earth be moved? The answer came crisply and succinctly: "No one gives a [blank] about Justin Bieber."

Many things are said to be impossible in Manhattan. A taxi at rush hour in the rain. A parking spot on a Saturday night. "Hamilton" tickets in the current century.

But let's be precise. Those things are difficult, but not impossible. You know what's impossible? Getting a reservation at Rao's.

The first thing to know is that Rao's has only 10 tables, serving 60-ish diners a night — one leisurely seating only (and no lunch). The next is that these tables have been assigned for years. People have their regular nights. A table can be handed down in a family, or gifted to a friend for a night,

or auctioned for charity at many (many!) thousands of dollars for an evening.

As the Zagat guide says, it "practically takes an act of Congress" to score a table.

And so, visiting Rao's one day recently, some five hours before doors open, one of our first questions is whether there's ever been a thought to shaking up the system — maybe getting a bunch of fresh blood into the doors. That, says co-owner Frank Pellegrino Jr., is really missing the point.

"I've known many of these guests since I was a kid," says

Pellegrino, 46, whose first job at Rao's was a summer gig in 6th grade. "There's a bond. It's about preservation of relationships." If you really want a table at Rao's, probably the best place to try is in Vegas, where the 10-year-old Rao's at Caesar's Palace occupies 10,000 square feet - "about five New York Rao's in one," quips Pellegrino serving 400-600 people a night (and 800 large meatballs a day). There's also been an outpost in Hollywood since 2013. Pellegrino Jr. spends most of his time out west, while his father, Frank Sr., presides over the Manhattan locale, which opened in 1896. Coming back to New York feels like a reunion, he says. Still, "I only get to eat here when I'm working or when I cook my-

self" — which is what he's doing

at 1 p.m. when we arrive. The place is quiet, very quiet. Lights are still off in the dining room. But in the kitchen, a huge pot of marinara sauce is being tended by Paulie Sanchez, who's been with the restaurant some 15 years. Pellegrino, meanwhile, is whipping up some fusilli with cabbage and sausage. The recipe appears in the new book, with about 140 other favorites. On a tiny shelf — there's not much wall space - sits a jar of the famous Rao's sauce sold in stores by the restaurant's specialty food business. That business — and the handling of it — is currently the subject of a lawsuit in state court that has, according to tabloid reports, caused a bitter rift between Pellegrino Sr. and his cousin and co-owner, Ron Straci, and his wife Sharon. Pellegrino Jr. will only say that the lawsuit is ongoing but he's hopeful it will be resolved soon. But it's hard to say the lawsuit is the most dramatic calamity to befall the restaurant — not with the murder and all. It happened, as the book recounts (authors are the two Pellegrinos and Joseph Riccobene),

ts (authors are the two Pellegrinos and Joseph Riccobene), around Christmas 2003, when a young actress was serenading diners with "Don't Rain On My Parade." A man at the bar "uttered unkind words." An older man, a mobster nicknamed "Louie Lump Lump," admonished him, more insults were traded, and Louie ended up pulling a gun and killing the younger man.

It didn't hurt business.
"I was here that evening," says
Pellegrino Jr. "It was a very unfortunate incident — we always
viewed Rao's more like Switzerland than anything else." He
adds that rumor has it there was
an earlier shooting "back in 1911
or 1912. A woman sitting here at
the bar, a stray bullet from outsi-

de. I can't confirm it."

But back to the food. Pellegrino's favorite dishes include the pork chop with cherry peppers — a 450-year-old recipe — and the shells with ricotta. The seafood salad is very popular. But probably the one thing Rao's is best known for is its meatball — about three times the size of a normal one. Initially, meatballs were served only on Wednesdays. But demand was too great to limit the dish.

Rao's walls are plastered with photos of the celebrities that have passed through — usually as guests of regulars. Hillary Clinton's picture is there, from her Senate years; Donald Trump has also visited. Hollywood stars galore. And many cast members of "The Sopranos."

One regular was sportswriter Dick Schaap, who died in 2001. At his funeral, Billy Crystal noted in his eulogy that everyone was thinking the same thought. "Who's going to get his table at Rao's?"



Frank Pellegrino Jr. co-owner of Rao's, prepares fusilli with cabbage and sausage as a pot of his signature sauce bubbles on the stove



Frank Pellegrino Jr. co-owner of Rao's, serves meatballs to accompany fusilli with cabbage and sausage

PÁTIO DO SOL sun

WHAT'S ON







TODAY (NOV 4) BY NATIONAL DANCE COMPANY OF SPAIN

In a streak of passion and choreographic novelty, National Dance Company of Spain (CND) revisits Macau with Carmen, a dance adaptation of Bizet's operatic masterpiece. Created by Swedish choreographer Johan Inger, this portentous performance offers dance and music lovers a pure, uncontaminated view of a classic. Blending the original score with additional contemporary music, Inger constructed the action seen through the innocent eyes of a young boy.

TIME: 8pm

VENUE: Macao Cultural Centre, Avenida Xian Xing Hai s/n, Nape

ADMISSION: MOP150, MOP200, MOP250, MOP300

ORGANIZER: Macao Cultural Centre ENQUIRIES: (853) 2870 0699 http://www.ccm.gov.mo

TICKETING ENQUIRIES: (853) 2855 5555

http://www.macauticket.com



TOMORROW (NOV 5) THE DUAL FACES OF RUSSIA

The first chamber music concert of this season brings two masterpieces from Russian composers, demonstrating the flamboyant notes and heroic passion of Russian ethnic culture. Prokofiev's dynamic quintet and Borodin's unadorned and affectionate string quartet No. 2 exemplify two extremes of Russian music.

TIME: 8pm

VENUE: Dom Pedro V Theatre ORGANIZER: Macao Chinese Orchestra ENQUIRIES: (853) 8399 6699 http://www.icm.gov.mo/ochm,



LION DANCE & CHINESE MARTIAL ARTS

The ideal environment in which to watch a lion dance and Chinese martial arts performance, Hong Kung Temple still welcomes public worship of the Immortal Chief General Hong Kung, the Great King Hung Shing, the Money King Wukong, the Sixth and Last Patriarch of Chan Buddhism and Hua Tuo, eminent physician of the Hang Dynasty. See the experts at work in the Lion Dance and Chinese Martial Arts Performance with origins, etiquette and taboos all explained.

TIME: 8:30pm-9:30 pm DATE: November 5 & 19

ADMISSION: Free

VENUE: Hong Kung Temple Square, Rua de Cinco de Outubro

ENQUIRIES: (853) 2825 9897

ORGANIZER: The Industry and Commerce Federation of Macao Central and Southern District, Macao Federation of Trade Unions (Sport Council)



SUNDAY (NOV 6) 47th Carita's Macao Charity Bazaar

The Caritas Macao Charity Bazaar is a major annual fundraising event now in its 47th year, which this year is themed 'Build up character to nurture spirit. Gather inspiration for a meaningful life.' Designed to support social services expenses, the Bazaar annually attracts thousands to its 80 booths of assorted games, specialty cuisine and charity sale attractions. Local broadcaster TDM and various groups provide entertaining stage performances - to which all are welcome - and you can win fantastic prizes by picking up raffle tickets that make all the difference!

TIME: 2pm-11pm (November 5) 11:30am-10pm (November 6) VENUE: Nam Van Lake Nautical Centre

ADMISSION: Free ENQUIRIES: (853) 2857 3297 ORGANIZER: Caritas Macao

http://www.caritas.org.mo/zh-hant/sites/47-bazaar

MONDAY (NOV 7) LITTLE RABBIT LANTERNS, AN EXHIBITION BY CARLOS MARREIROS AND FRIENDS - PART 11

Little Rabbit Lanterns, an Exhibition by Carlos Marreiros and Friends - Part 11 salutes the origins

of Chinese lanterns, which date back to the Han Dynasty 1,800 years ago. Organized by Albergue SCM every year since 2009, Part 11 features a collection of around 30 creative lanterns designed by artists from Macau and beyond inspired by the traditional rabbit lantern. The patio outside the gallery is also decorated with these beautiful pieces of art, creating a delightfully calm, artistic ambiance.



TIME: 3pm-8pm (Mondays); 12pm-8pm (Tuesdays to Sundays, opened on public holidays)

UNTIL: November 20, 2016

VENUE: Albergue SCM - A2 Gallery / Calçada da

Igreja de São Lázaro No.8, Macau ENQUIRIES: (853) 2852 2550 FACEBOOK PAGE: creativealbergue.scm

ADMISSION: Free

ORGANIZER: Albergue SCM



TUESDAY (NOV 8) Chinese and Portuguese Art Feast

In a celebration of the centuries-old links between these two distinct cultures, the 8th Cultural Week of China and Portugal includes Portugal dishes, dramas, outdoor performances, the Handicraft & Art Fair and exhibitions. This year, there are performers, artists, chefs from local, mainland China, and nine Portuguese-speaking countries to enrich the cultural week! Don't miss out on the various art exhibitions hosted by several venues!

EXHIBITION ON THE ARTWORK OF PORTUGAL ARTIST - JORGE MARTINS, EXHIBITION ON THE ARTWORK OF EAST TIMOR

ARTIST - ALFEO SANCHES

TIME: 10am-7:00pm (Closed on Mondays) VENUE: Taipa Houses-Museum, Avenida da Praia

EXHIBITION ON THE ARTWORK OF MACAO ARTIST – Célia do Rosário

TIME: 11am-5pm

VENUE: the residence of the Consul-General of Portugal in the Macao SAR, Rua do Comendador Kou Hó Neng (the former Hotel Bela Vista)

DATE: October 24 to November 13, 2016 ENQUIRIES: (853) 8791 3368

ORGANIZER: Permanent Secretariat of Forum for Economic and Trade Co-operation between China and Portuguese-speaking Countries (Forum Macao) ADMISSION: Free to all activities http://www.forumchinaplp.org.mo



WEDNESDAY (NOV 9) 10 Fantasia - Exhibitions

'Have Fun' Chu Kin Fat Artwork Exhibition (Until: November 13) features ten of his blue print and screen printing artworks via which the artist seeks to rekindle childhood memories through the medium of toys, thus encouraging exhibition-goers to cherish what we have now. 'Summer x Metal' Sculpture Exhibition (Until: November 12) displays the works of six local artists, featuring different styles and presented in different forms calculated to get Macau locals and artists to consider the power and momentum of diverse kinds of art.

TIME: 10:30am-6:30pm

(Closed on Mondays and public holidays)

ADMISSION: Free

VENUE: 10 Fantasia, Calcada da Igreja de S.Lazaro

ENQUIRIES: (853) 2835 4582 ORGANIZER: 10 Fantasia http://www.10fantasia.com



THURSDAY (NOV 10)
AFA AUTUMN SALON,
VAFA INTERNATIONAL VIDEO FESTIVAL

AFA Autumn Salon 2016 and VAFA International Video Festival features 67 artworks by 32 local Macau artists including superb oil paintings, watercolours, drawings, sculptures, photography, porcelain and printmaking – plus videos. All participants are now working and living in Macao with many playing a central role in the Macau contemporary art scene.

TIME: 10am-7pm

(Closed on Mondays and public holidays) VENUE: Orient Foundation, Casa Garden

DATE: November 5-30, 2016

ADMISSION: Free

ORGANIZER: Art For All Society ENQUIRIES: (853) 2836 6064 http://www.afaMacao.com

Sands WEEKEND



THRILLER LIVE

Until 13 November

The Parisian Theatre

THRILLER LIVE is a stunning 90-minute theatrical concert to commemorate arguably the world's greatest ever entertainer, Michael Jackson. This high-energy explosion of pop, rock, soul and disco takes the audience on a magical audio-visual journey through Jackson's astonishing 45-year musical legacy. We challenge you to stay in your seat! Thriller is the debut show of The Parisian Theatre.

Tickets: From MOP/HKD180, call reservations +853 2882 8818 cotaiticketing.com



JIN AKANISHI LIVE TOUR 2016 AUDIO FASHION 8pm, 5 November (Saturday)

Cotai Arena

Singer-songwriter, actor, television personality and heartthrob Jin Akanishi has begun his career as lead vocalist in the popular J-pop boy-band KAT-TUN. As a solo artist he has released three studio albums – "Japonicana", "#JustJin" and most recently "Audio Fashion". As a part of duo JINTAKA, with actor and singer Takayuki Yamada, he recently released a music video for the track "Choo Choo Shitain", Japanese slang for "kiss". In April he was awarded the title of "Asia's Most Popular Japanese Artist" at the 20th China Music Awards which took place at The Venetian Macao.

Tickets: From MOP/HKD480, call reservations +853 2882 8818



A REWARDS SEASON

10am to 11pm, Daily, Until 30 November

Renew your wardrobe with endless Fall Winter shopping possibilities! Sands Shoppes offers the most extensive range of luxury duty-free shopping experiences and worldwide cuisines in Macao. Simply spend at Shoppes at Four Seasons, Shoppes at Venetian, Shoppes at Parisian and Shoppes at Cotai Central to earn up to MOP2,000 worth of Shopping Vouchers to be used in over 300 participating outlets. Sands Rewards members can enjoy a host of privileged discounts as well as earn and redeem points in partner outlets. So join today and experience all the exclusive rewards available!

Spending Earn Shopping Vouchers MOP5,000 MOP200

MOP5,000 MOP200 MOP10,000 MOP400 MOP25,000 MOP1,000 MOP50,000 MOP2,000

Redemption Locations: Information Counter throughout Sands Shoppes

 * Customers must present two same-day valid receipts issued by two different merchants (a maximum of one receipt from dining outlets will be accepted) with a minimum spending amount of MOP200 upon each receipt for redemption purpose.

Please refer to the Terms & Conditions for further details.



PO'S KUNG FU FEAST, CHARACTER BREAKFAST WITH THE DREAMWORKS ALL-STARS

Until 30 September 2017

Urumqi Ballroom, Level 4, Sands® Cotai Central

Live your dreams like Po from "Kung Fu Panda" and experience the ultimate breakfast feast with your favourite DreamWorks All-Stars. Get your camera ready to capture the memorable moments with your beloved DreamWorks heroes and enjoy the exclusive stage performances. Book now to experience the coalest themsed breakfast!

the coolest themed breakfast!

Adult: MOP238+ Child: MOP138+

Family Package (4 Family Persons + 1 Child): MOP 688+

Saturday – Monday: 10am – 11:30am | Tuesday – Friday: 9am – 10:30am Reservations: +853 8113 7915 / 8113 7916















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ORLD OF WON

Exploring the realms of history, science, nature and technology

CKET SCIE

In their simplest form, as fireworks, rockets have been around for centuries. The realm of rocket science has made most of its progress in just the past 100 years. Today, NASA, private companies and nations around the world are working on rockets that will take people and cargo into space more quickly and affordably.



New ideas!

later proved correct.

A weighty issue

Rockets large enough to carry

vehicles into space have serious

weight considerations. One way

of weight is by making rockets

stage exhausts its fuel supply,

pick up speed. When a rocket

space, it no longer encounters

air friction (drag) and therefore

Heavy-lift rockets are the most

Saturn V rocket was one of the

most powerful heavy-lift

successfully. The SpaceX

Falcon 9, a super-heavy-lift

rocket, exploded at launch

NASA is working on new

nuclear-powered rockets

that could dramatically

cut the time it takes to

travel through the

solar system.

launch vehicles to fly

in September 2016.

The future

powerful type of rockets. NASA's

requires less thrust to move.

Heavy lift

scientists have solved the problem

that have several stages. As each

the empty casing falls away. The

remaining load is lighter and can

leaves the atmosphere and enters

In 1919, Robert H. Goddard

published a pamphlet with several

theories about rocketry. His ex-

periments with solid- and liquid-

propellant rockets between 1909

and 1945 led to the development

of powerful boosters for intercon-

Critics scoffed at Goddard's ideas,

but many of his conclusions were

tinental missiles and spacecraft.

What is a rocket?

no sign of the chair — or of Wan Hu.

A rocket is a device that uses the force of ejected matter to propel (drive forward) an object.

According to legend, around 1500, a Chinese

official named Wan Hu tried to fly by lighting

47 rockets tied to a large wicker chair. Not surprisingly, after the dust settled, there was

Air moves

Inside

Sir Isaac Newton

1642-1727

Laws of motion

In 1687, Sir Isaac Newton

published the first volume of

his "Philosophiae Naturalis

Principia Mathematica," a

work generally referred to

as the "Principia." In this,

Newton describes three

of all objects on Earth or

in space:

outside force.

laws that govern the motion

1. Objects at rest will stay at

rest and objects in motion

in a straight line will stay

unless acted upon by an

2. Force is equal to mass

3. For every action there

is an equal and opposite

times acceleration.

Hero's aeolipile

an early steam engine

in motion in a straight line

Balloon moves

For example, when a balloon is filled with air and released, the balloon is thrust forward as the air is ejected. This action (air leaving the balloon) and the reaction (the balloon moving) demonstrate Newton's law that for every action, there is an equal and opposite reaction. Rockets work in the same way as a released balloon. Rocket engines are used to carry scientific instruments into the atmosphere or into outer space for research. They are also used as weapons to carry explosives to a target, and they can launch satellites or spaceships. Fireworks are also a kind of rocket. For their size, rockets produce more power

Blast off!

than any other engine.

Modern rockets burn fuel to produce energy for liftoff. They are sometimes referred to as chemical rockets because burning is a chemical reaction. Chemical rockets burn huge amounts of fuel very fast and at very high temperatures.

Rockets burn fuel in a combustion (burning) chamber, which results in rapidly expanding gas. This pressurized gas is released through a nozzle at the back of the chamber. Engineers discovered that the smaller the throat of the exit, the more the gases accelerate, providing extra thrust. A cone-shaped nozzle further restricts the gases and accelerates them even more.

The exhaust of gas through the nozzle is the action described in Newton's law. The reaction is the thrust (pushing force) of the rocket away from the flow of exhaust gas.

Hero's engine

An early Greek engine (A.D. 62), called an aeolipile by its inventor, Hero of Alexandria, was one of the first devices to successfully use the principles of rocket flight. Hero's engine created steam that, when exiting through L-shaped pipes on either side, created thrust, causing the sphere to rotate.

SOURCES: World Book Encyclopedia, World Book Inc.; http://www.nasa.gov; National Association of Rocketry

Propellants

A propellant is a combination of fuel (such as gasoline, kerosene or liquid hydrogen) and an oxidizer (a substance that supplies oxygen). An oxidizer is needed for the fuel to burn in outer space. Jet engines use the oxygen in the atmosphere, but rocket engines carry their own oxygen.

Solid propellants

Solid propellants are used in the simplest rockets. Fireworks and model rockets fly using solid fuels.

A dry, plasticlike material called the grain is made up of fuel and an oxidizer. This type of propellant requires ignition; a fuse and small charge of gunpowder are one ignition method. Ignition may also be achieved through a chemical reaction; for example, liquid chlorine sprayed onto the grain will ignite the propellant. Solid propellants burn faster than liquid propellants.

Liquid-

rocket

propellant

Payload

(cargo)

Oxidizer

Liquid

Pumps

Fin

Combustion

Nozzle

The space shuttles

used both

solid and

propellants

chamber

Exhaust

tank

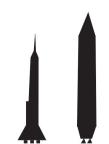
tank

rocket Pavload (cargo) Igniter Engine (body Core Solid propellent (grain) Combustion Exhausi Nozzle

propellant

Liquid propellants

Liquid propellants burn a mixture of fuel and oxidizer in liquid form usually kerosene or hydrogen that has been cooled and turned into liquid. Liquid propellants require complicated engines. Separate fuel and oxidizer tanks are needed, along with a series of pumps, pipes and valves to mix the fuel and oxidizer into the combustion chamber. Most liquid propellants use an ignition system, but some, called hypergols, ignite when the fuel and oxidizer come into contact with each other. Liquid propellants can easily be turned on or off, allowing for superior thrust control. Liquidpropellant rockets are used for most space launch vehicles.



Mercury-**Atlas** 1960 94 ft.

(29 m)



Gemni-Titan 1964 109 ft. (33 m)



Sovuz A2 1973 167 ft. (51 m)



Ariane IV 1988 193 ft. (59 m)



Space shuttle Enterprise 1977 184 ft.

(56 m)

Apollo-Saturn V 1967 363 ft. (111 m)

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